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Indirect Source Monitoring Study at the Northwoods Shopping Center

Environmental Technology Assessment, Inc, Oak Brook, IL

Prepared for

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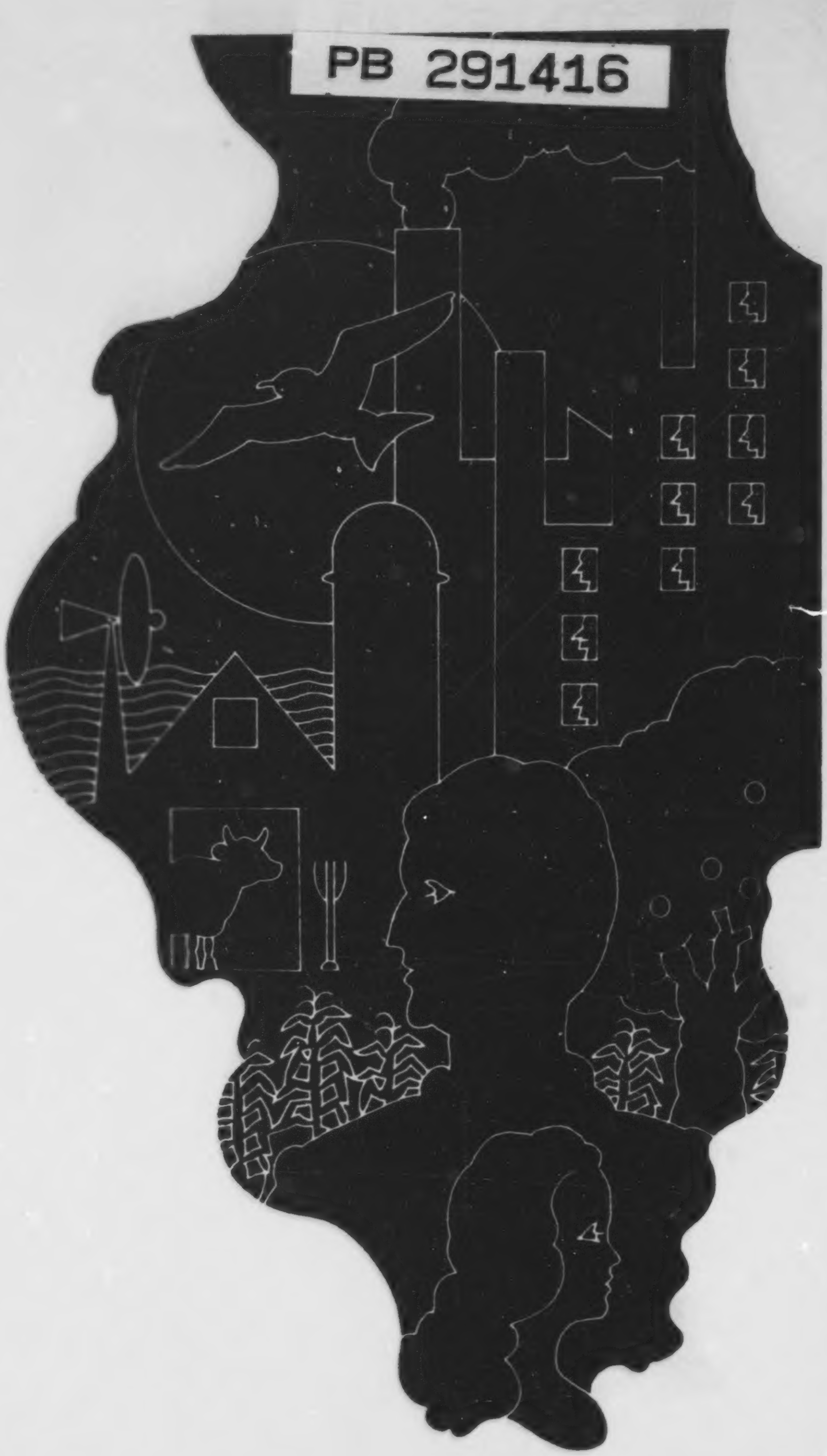

Indirect Source Monitoring Study at the Northwoods Shopping Center

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FOREWORD

The development of methodologies to determine the air quality impact of transportation systems and indirect sources requires a detailed data base. Such data is necessary to develop the relationships between variables associated with the transportation system, indirect sources, and meteorological conditions and the resulting air quality. The data contained in this report will be useful to engineers, planners, and environmentalists in:

1. Determining the relationships between average daily traffic and peak traffic conditions.
2. Establishing relationships between traffic levels and ambient air quality. and,
3. Determining the potential for violation of national ambient air quality standards for transportation related pollutants in a congested commercial situation.

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1.0 Introduction

This report contains the results of a study of the air quality and traffic operations in the vicinity of the Northwoods Shopping Center in Peoria, Illinois. ETA, Inc. designed the overall program and collected air quality and traffic data. Air Resources, Inc. supplied a mobile monitoring lab for analysis of air quality data.

The report provides a comprehensive data base of ambient concentrations of transportation related pollutants for the development of methodologies for reviewing the air quality impact of indirect sources and highway projects. Since the study was conducted during the Christmas holidays and, hence, under peak traffic conditions, the program provides the maximum expected air quality impacts from motor vehicle activity.

The data base includes air quality, meteorological and traffic information at various locations around a busy intersection and roadway adjacent to a large regional shopping center.

2.0 Ambient Monitoring and a Description of the Study Area

2.1 Study Area

The study was conducted in an area around the intersection at the northeast corner of the Northwoods Shopping Center in Peoria, Illinois. Figure 1 shows the study area in relation to the City of

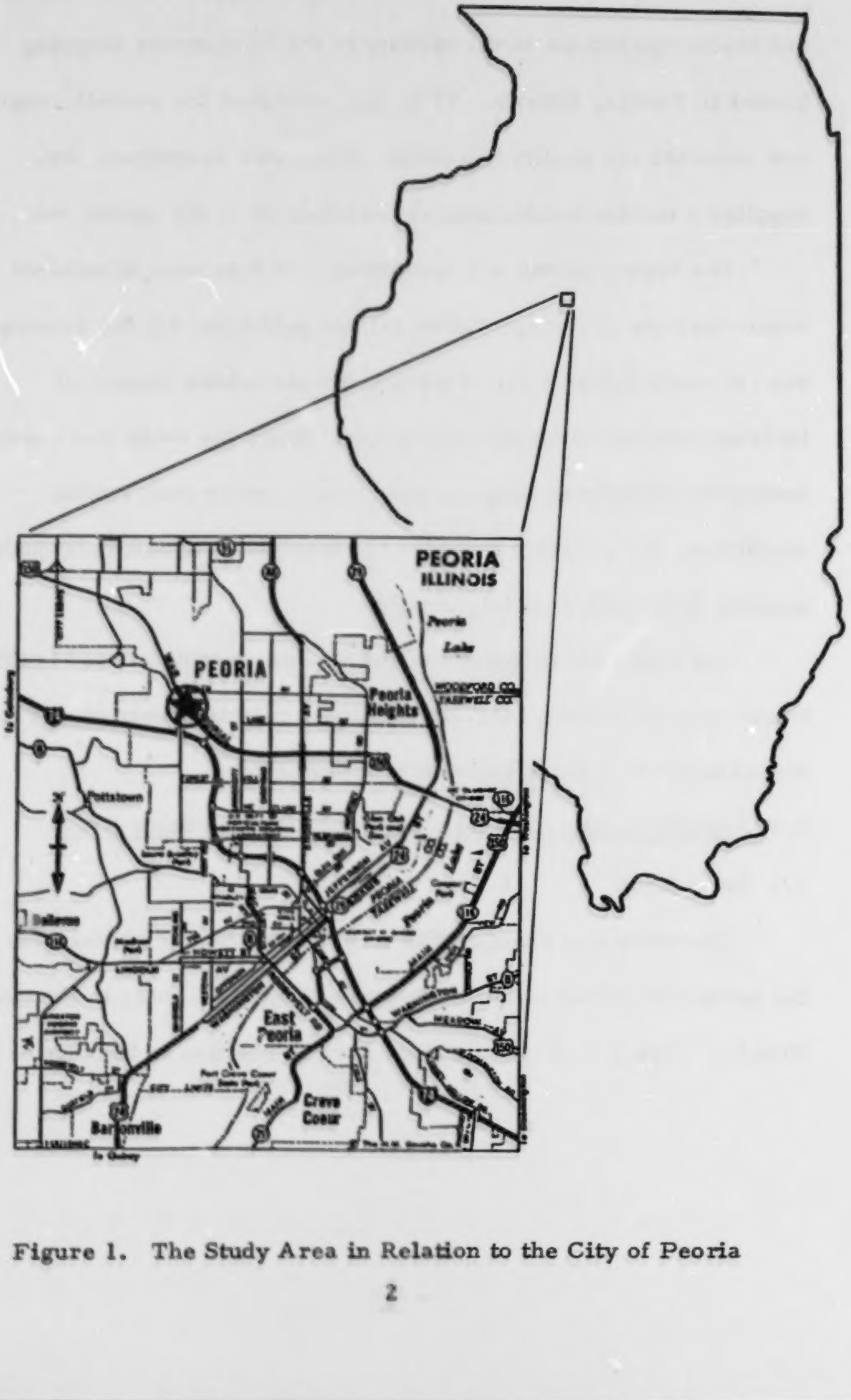


Figure 1. The Study Area in Relation to the City of Peoria

Peoria and the major arterial roadways in the area. Figure 2 shows the layout of the buildings and center parking areas near the intersection of War Memorial and Scenic Drives. The major tenants of the center are Carson Pirie Scott and Company, the J. C. Penney Company, Inc., and the Montgomery Ward Company. The size of the center and the store hours are listed in Table 1.

2.2 Monitoring Program

The air quality study in the vicinity of the Northwoods Shopping Center was conducted using both continuous monitoring and bag sampling techniques to measure carbon monoxide, hydrocarbons, and nitrogen oxides concentrations in the ambient air. Air sampling began on Tuesday, December 10th, and continued through Saturday, December 28, 1974, with the exception that bag samples were not collected on the 24th and 25th.

Table 2 is a list of the air quality monitoring equipment used and their station numbers. The locations of these sites in the study area are shown in Figure 3. The square symbols, site numbers 2, 4, 5 and 6 designate the continuous CO monitors. Since a 110 volt - 15 ampere power supply was needed, the positions of these instruments was dictated by the availability of such a power source. The triangular symbols, numbers 1, 3, 8, 9 and 10, represent the bag sampling locations; the bag samples were analyzed at the mobile laboratory at site number 7. Wind speed and direction data were collected at

Table 1

Northwoods Shopping Center

Mall Tenant Area	218,916 square feet
Major Stores	405,055
Outlying Auto Service and Supply Center	31,459
Gross Leasable Area	655,430 square feet

Acreage: 48.2 acres

Total Number of Parking Spaces: 3700

Shopping Center Store Hours

Monday - Saturday	10:00 a.m. - 9:00 p.m.
Sunday	12:00 p.m. - 5:00 p.m.

Holiday Season
(December 9 through December 23):

Monday - Saturday	10:00 a.m. - 9:30 p.m.
Sunday	11:00 a.m. - 6:00 p.m.

Table 2

Summary of Air Sampling Equipment

Site	Equipment
1	Bag sampler
2	Continuous CO monitor (Ecolyzer/recorder)
3	Bag sampler
4	Continuous CO monitor (Ecolyzer/recorder)
5	Continuous CO monitor (Ecolyzer/recorder)
6	Continuous CO monitor (Ecolyzer/recorder)
7	Mobile Lab: ambient monitoring, bag analysis, meteorological station
8	Bag sampler
9	Bag sampler
10	Bag sampler
11	Meteorological station

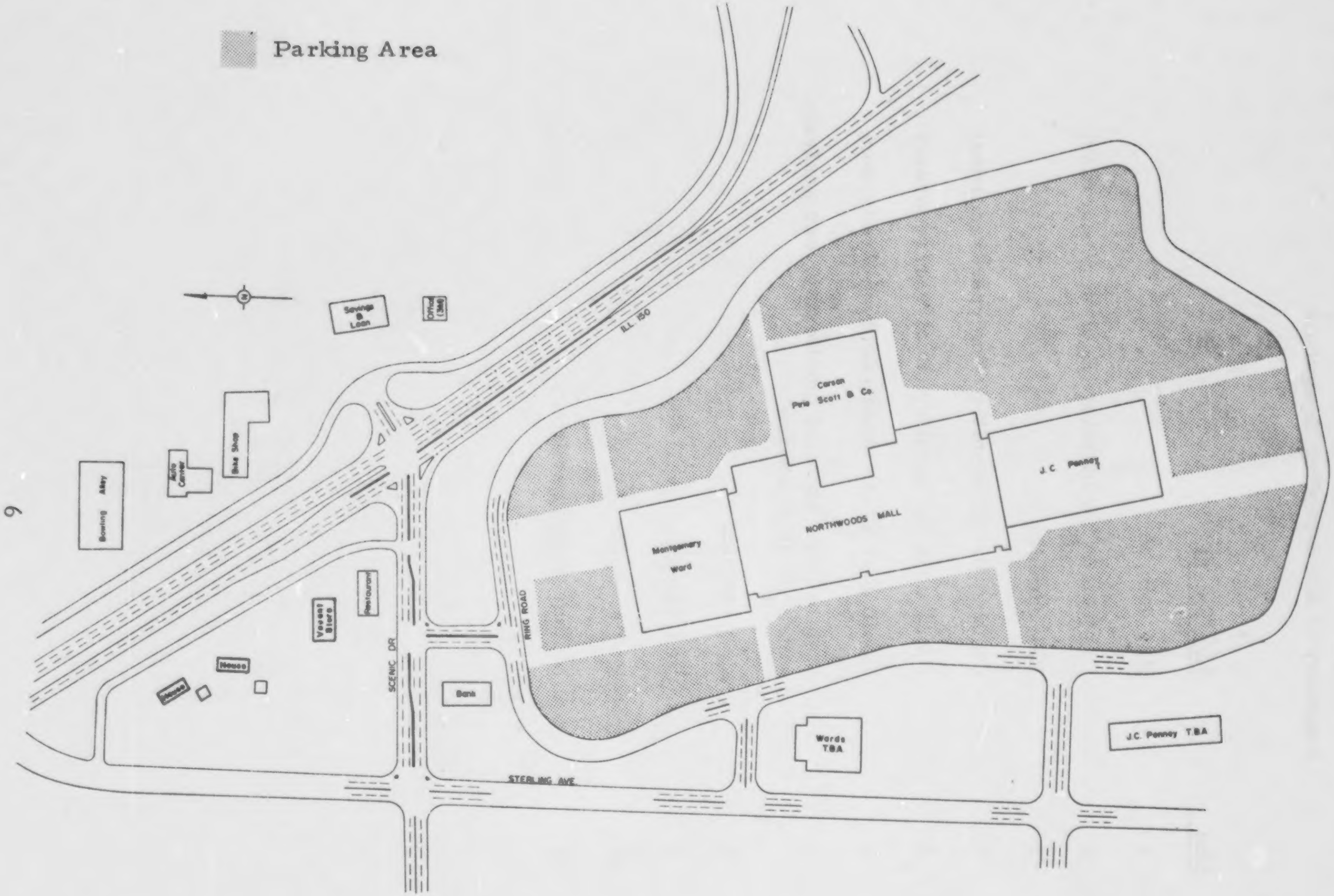
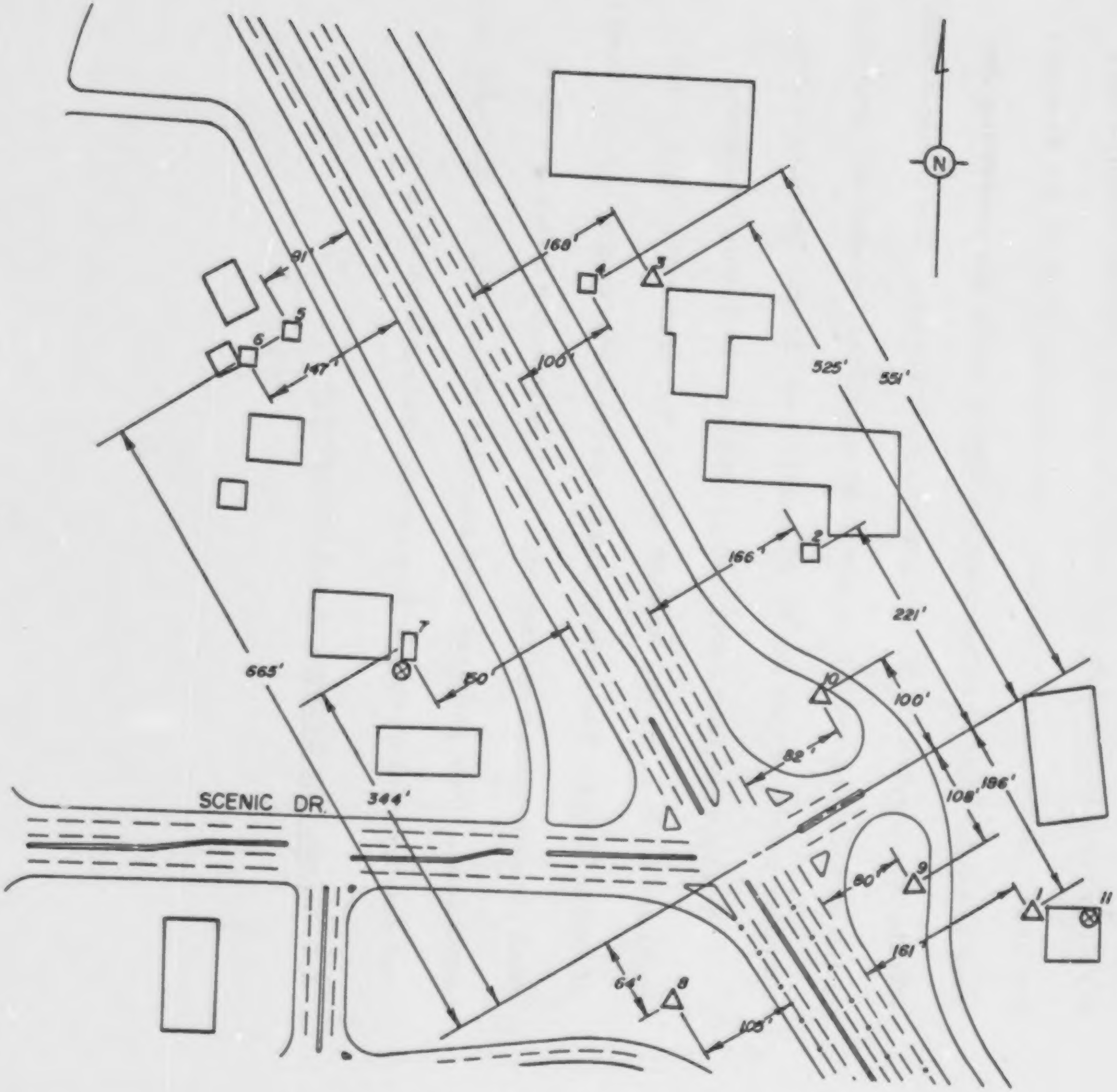


Figure 2. The Study Area



Receptor and Adjacent Mainline Roadway Elevations Above Sea Level (feet)

	Receptor	Roadway
1.	657.2	654.2
2.	668.5	662.6
3.	667.3	670.7
4.	675.6	671.3
5.	685.6	674.0
6.	687.5	674.0
7.	684.7	666.0
8.	662.2	654.9
9.	655.8	654.4
10.	660.6	659.6
11.	676.	

△ Bag Sampling Sites

☐ Continuous CO Monitoring Sites

⊗ Wind Sensor

▭ Mobile Lab

Figure 3. Air Quality and Meteorological Monitoring Sites

the mobile laboratory and on the roof of the 3M building, site number 11. Ambient temperature was also recorded at the mobile lab.

Six air quality monitors were positioned around the intersection. Perpendicular distances from the roadway and distances from the center of the intersection, as well as roadway and receptor elevations above sea level are shown in Figure 3. Five of the monitors were bag samplers and one was a continuous CO analyzer. In addition, the mobile lab took ambient samples once per hour. Data collected at these sites can contribute to the development and validation of an intersection model useful for evaluating the effects of conjested traffic conditions on air quality. The configuration of the samplers provided, under most conditions, upwind and downwind receptor points around the War Memorial and Scenic Drive crossing.

There were four additional air quality monitoring locations, numbers 3, 4, 5, 6; two on each side of War Memorial Drive north of Scenic Drive. These instruments provide two upwind and two downwind concentration measurements for traffic under fairly free flow conditions. Data gathered here provides information for the validation and development of simple line source models such as HIWAY.

3.0 Monitoring Equipment and Procedures

3.1 Continuous CO Monitors

The carbon monoxide analyzer used at sites 2, 4, 5 and 6 was the Model 2600 Ecolyzer, and strip chart recorder manufactured by Energetics Sciences, Inc. The Ecolyzers ran continuously 24-hours per day throughout the sixteen day sampling period. The Ecolyzer has the following design specifications:

Sensor	Electrochemical
Zero Drift	0.5% of Full Scale in 24-hours
Span Drift	1.0% of Full Scale in 24-hours
Linearity	± 1% of Full Scale
Minimum Detectable Sensitivity	1 ppm
Analytic Reproductivity	± 1% of Full Scale

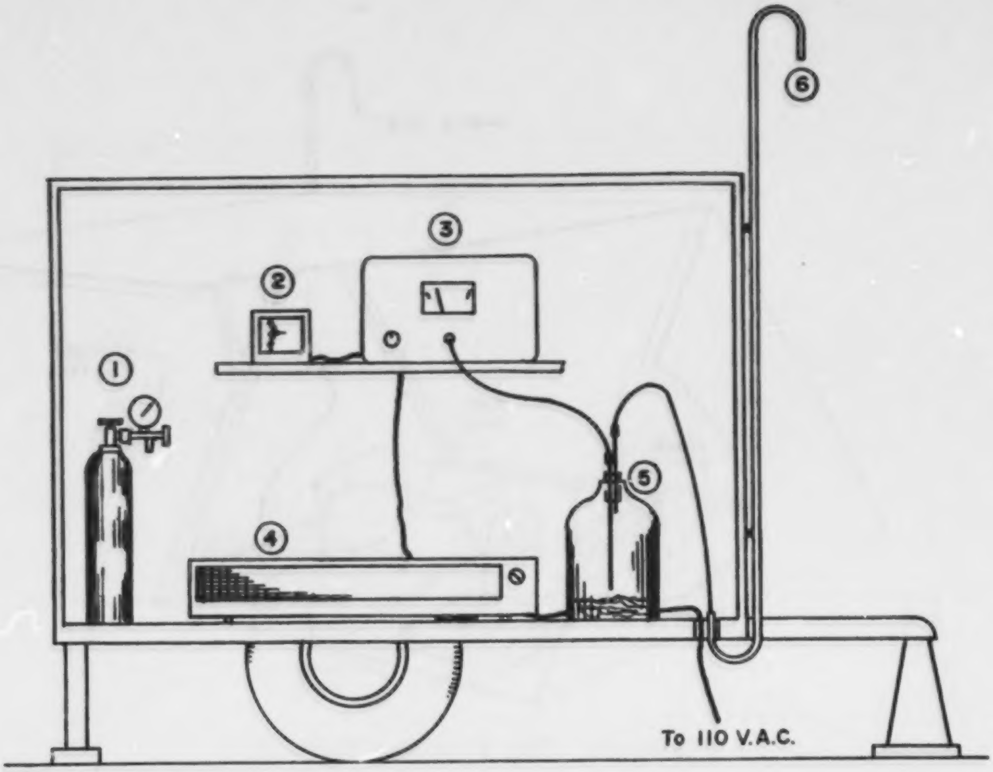
The manufacturer's specifications also indicate less than 1.0 ppm interference from levels of other pollutants that could reasonably be expected to occur in ambient air. Previous experience with this equipment has shown that interferences and drift may be a more significant problem than these specifications indicate. Instrument drift due to ambient temperature fluctuations was minimized by maintaining the units in a relatively constant temperature environment. The interference problem is discussed further in section 4.1. The instrument was calibrated daily using a CO calibration span gas obtained from Scott Research Laboratory, Inc. and an internal zero check which had been previously validated.[1] The span was calibrated against a National Bureau of Standards reference gas and determined to be 45 ppm.

Each of the Ecolyzers was housed in an enclosed trailer measuring approximately four feet wide, six feet long, and four feet high. Each trailer was heated with a thermostatically controlled electric heater and maintained at 65° ± 5°F. A 3/8 inch I.D. Teflon sampling line was housed in a metal conduit which extended above grade about 8 feet with a U-shaped bend at the top. A one-gallon glass container was installed in the sample gas line ahead of the carbon monoxide analyzer to act as an integrator and reduce the excessive scatter which normally occurs on the strip chart record without such a mixing chamber. Figure 4 is a schematic of the sampling arrangement employed at sites 2, 4, 5 and 6.

3.2 Bag Sampling

Five bag collection sites were housed in temporary enclosures. These weather shelters and the bag sampling setup are shown in Figure 5. Hourly samples were collected for fourteen hours per day (8:00 a.m. - 10:00 p.m.), Monday through Saturday and eight hours (11:00 a.m. - 7:00 p.m.) on Sundays. The bag sampling procedure enabled analysis within less than one hour of the sample collection and thus minimized diffusion and gas reaction effects in the bags.

The bag sampling apparatus employed a "tool box sampling pump" manufactured by Pollution Measurements, Inc. This unit consisted



1. Calibration Gas
2. Strip Chart Recorder
3. Ecolyzer
4. Heater
5. Glass Bottle Mixing Chamber
6. Sampling Tube

Figure 4. Continuous CO Monitoring Station

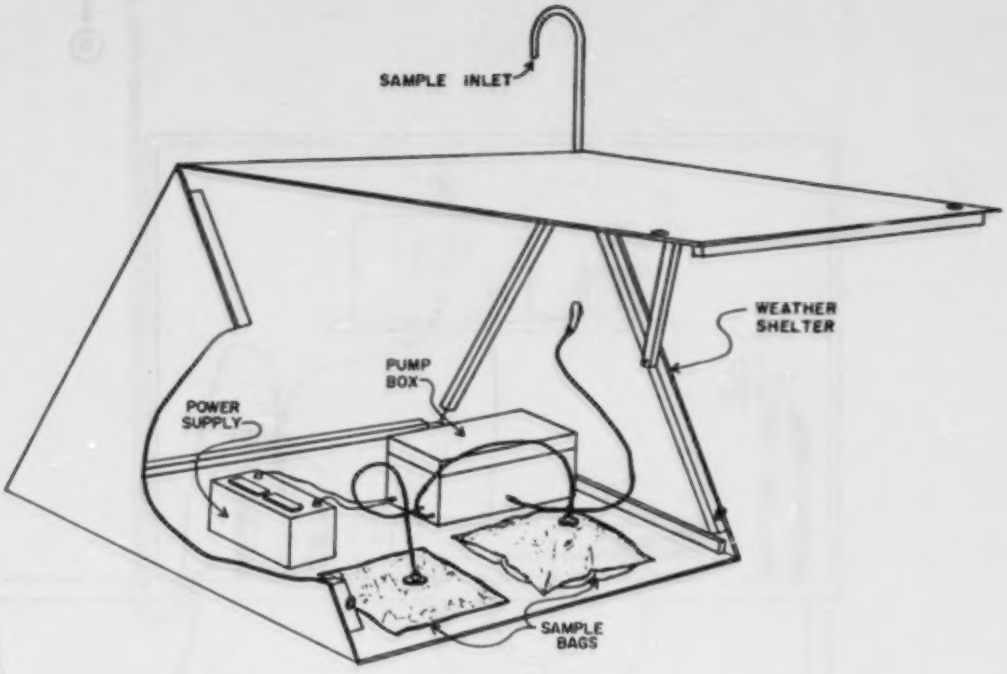


Figure 5. Bag Sampling Station

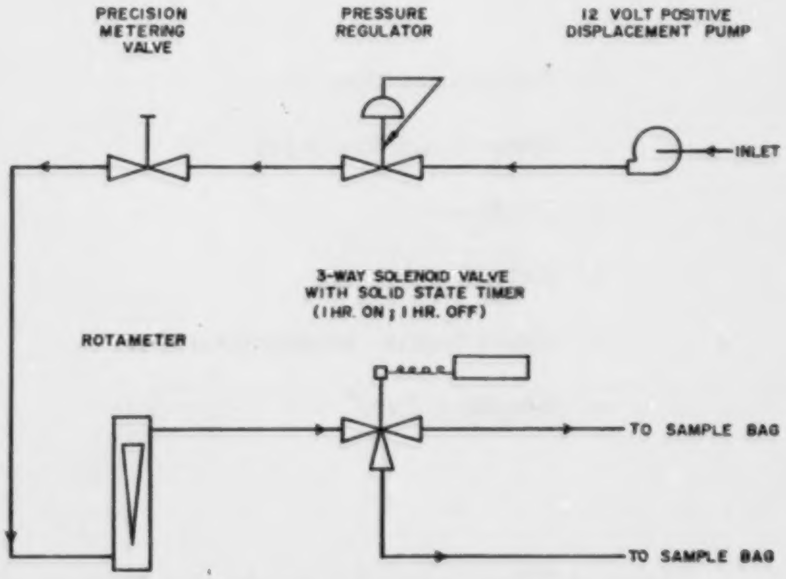

PRECISION METERING VALVE
PRESSURE REGULATOR
12 VOLT POSITIVE DISPLACEMENT PUMP
INLET
3-WAY SOLENOID VALVE WITH SOLID STATE TIMER (1 HR. ON ; 1 HR. OFF)
ROTAMETER
TO SAMPLE BAG
TO SAMPLE BAG

Figure 6. Sample Air Flow Through "Pump Box"

of a twelve volt DC air pump, precision flow meter, micrometer flow valve, and pressure regulator housed in a small tool box type enclosure. ETA modified this unit employing a three-way solenoid valve and solid state timer in a configuration which allowed two bags to be connected to a manifold. A schematic of this system is shown in Figure 6. At the initiation of a sampling period (on the hour) two ten liter Tedlar bags with nickel plated valves were connected to the manifold. The flow rates were adjusted to fill the bags in one hour. At the end of the first hour of sampling, when one bag was filled, the timer energized the three-way valve shutting off flow to the filled bag and the pump began filling the second bag.

At this point, the five filled bags were removed and empty bags attached in their place, the filled bags were then taken to the mobile lab for analysis. The collection and analysis was accomplished within one hour so that the sequence could be repeated the next hour.

Each of the bag pumps used an 80 ampere-hour, heavy duty, 12-volt battery which was charged each evening. Ambient air samples were drawn through a snorkle tube extending approximately six feet above grade.

3.3 Bag Sample Analysis

A Beckman Model 6800 chromatograph was used for measurement of carbon monoxide, hydrocarbons, methane and methane-free hydrocarbons, and a Beckman Model 952 chemiluminescent analyzer for measurement of NO, NO_x and NO_2 by difference. The analysis of a bag sample took less than ten minutes, each run providing one-hour average concentration values. Specifications for the two instruments are listed in Table 3.

The chromatograph was allowed to pump sample air from the bag until an internal container was thoroughly purged and filled. At the completion of the chromatographic separation and analysis, the concentrations were read from a digital printer and a strip chart recorder.

The Beckman 952 NO-NO_x analyzer pumps the sample directly to the reaction chamber and does not require the extended purging necessary for the 6800 chromatograph. The bag was attached to the sample inlet and the instrument was allowed to pump air from the bag for a period long enough to insure that the reading was stabilized and that no interference from the previous sample was possible. At the end of the analysis, the concentration was read from a digital printer.

3.4 Calibration Techniques for the Mobile Air Quality Laboratory Beckman 6800 Chromatograph

The chromatograph was calibrated each day bag samples were taken by comparison to a certified blend of gases previously analyzed by Matheson Gas Products. The mixture contained 5.7 ppm methane, 8.9 ethane, and 20.5 carbon monoxide. During calibration, this gas was provided to the chromatograph at the same rate that the bag sample

Table 3

Instrument Specifications

Instrument	Range ppm	Sensitivity ppm
Hydrocarbons Beckman 6800 Air Quality Chromatograph	0 - 1 0 - 5 0 - 10 0 - 25 0 - 100	0.5% full scale
NO, NO_x, NO_2 Beckman 952	0 - .25 0 - .5 0 - 1.0 0 - 2.5 0 - 5.0 0 - 10.0 0 - 25	1% of scale (Interference - Less than 0.01 ppm at 1.0 ppm range)
Carbon Monoxide Beckman 6800 Air Quality Chromatograph	0 - 1 0 - 5 0 - 10 0 - 25 0 - 100	0.5% full scale

was normally supplied. The gas was drawn into the sampling stream, the three components separated and catalytically hydrogenated to methane, and the resultant methane concentration determined by the Flame Ionization Detector. The output attenuator for each component was then adjusted so that the final reading matched the concentration of the gases as analyzed by Matheson.

Beckman 952 NO-NO$_x$ Analyzer

The following procedure was followed each day that bag samples were analyzed. The instrument was first zeroed by supplying air from an activated carbon scrubber to the reaction chamber. A certified standard span-gas previously analyzed by Matheson Gas Products was then drawn into the reaction chamber at the same rate that a sample was normally provided. The concentration was measured and the instrument's amplifier adjusted until the output corresponded to the concentration given by the certified analysis.

3.5 Meteorology

Wind speed and direction data were collected at two sites in the study area; site 7 (mobile lab) and site 11 ("3M" building). In addition, the ambient temperature was measured at the mobile laboratory. The wind sensing instrument used at site 11 was a "W101-P Skyvane 1 Wind Sensor" from the Weather Measure Corporation. It was positioned on the roof of the 3M building, the resulting height above grade was about twenty-five feet. The site 7 wind speed recorder was a "Climet" low threshold device rated at .6 miles per hour. The Skyvane's rated threshold was 2 miles per hour.

Additional meteorological data were acquired from the National Weather Service at the Peoria Airport to prepare an hour by hour computation of atmospheric stability class and to supplement the data collected near the shopping center.

4.0 Air Quality Data Collection Results

4.1 Ecolyzer Results

The data recorded on the strip charts were reduced manually by dividing each one-hour period into four fifteen minute increments, computing the adjusted average in each increment based on the zero and span calibrations and then averaging the four to produce a one-hour average. The data presented in Appendix A are averaged to the nearest ppm. We do not feel that reporting data to a greater degree of accuracy is warranted based on our experience with the instrument.

Ecolyzer - NDIR Comparison

In a previous study performed by ETA, Inc.,[1] an extensive comparison was made between non-dispersive infrared (NDIR) analyzers and two Ecolyzers analyzing automobile generated carbon monoxide. A least squares regression analysis of several thousand hours of data yielded the following calibration equation:

$$\underset{(\text{ppm})}{\text{Ecolyzer reading}} = 1.153\ \underset{(\text{ppm})}{(\text{NDIR reading})} + 0.546\ \text{ppm}$$

The equation correlation coefficient was 0.947.

It is felt that other combustion products cause the Ecolyzers to give high CO readings and, therefore, it is suggested that this correcting equation be applied to the Ecolyzer results.

4.2 Bag Sampling and Mobile Lab Data

Bag samples were collected at a continuous uniform rate over a period of one hour and, therefore, constitute one-hour average concentration values. These hourly averages are presented in Appendix A.

Site 7 (mobile lab) data are included with the bag sampling results, but do not normally represent one-hour average values. The mobile lab took instantaneous ambient samples once per hour after the analysis of the collected bag samples. The Beckman 952 NO_2 - NO data represents hourly averages only during the time period that bag sampling was not being conducted.

4.3 Meteorological Data and Stability Class

Wind speed and direction data collected at the mobile laboratory (site 7) and the 3M building (site 11) are presented in Appendix B along with the ambient temperature.

Turbulence caused by nearly buildings at site 7 may account for discrepancies in wind velocity data taken at the two sites. Since the data taken at site 11 were in closer agreement with the data obtained at the National Weather Service meteorological station located at Peoria Airport, it was used in the determination of stability class for each hour.

Stability Class

The stability class for each hour of the monitoring survey was obtained through the use of an objective method suggested by Turner.[2] This method determines the stability near the ground as a function of net radiation and wind speed. The incoming radiation depends upon the solar altitude (a function of time of day and time of year), cloud cover and ceiling. The outgoing radiation depends primarily upon the cloud cover and ceiling.

The stability class was, therefore, calculated from the month, date, hour of day, cloud cover, cloud ceiling, and wind speed of each hour. These data were either known or collected on-site, with the exception of cloud cover and cloud ceiling. Data for these two parameters were obtained from the National Weather Service meteorological station. In a few cases, N.W.S. data was used to fill in missing wind information.

The procedure for determination of stability class was as follows:

1) If the total cloud cover is 10/10 and the ceiling is less than 7000 feet, use net radiation index equal to 0 (whether day or night).

2) For nighttime (between sunset and sunrise):

   a) If total cloud cover $\leq$ 4/10, use net radiation index equal to −2.

   b) If total cloud cover $\geq$ 4/10, use net radiation index equal to −1.

3) For daytime:

   a) Determine the insolation class number as a function of solar altitude from Table 5.

   b) If total cloud cover $\leq$ 5/10, use the net radiation index in Table 4 corresponding to the insolation class number.

   c) If cloud cover $>$ 5/10, modify the insolation class number by following these six steps.

      1) Ceiling $<$ 7000 ft, subtract 2.

      2) Ceiling $\geq$ 7000 ft. but $<$ 16,000 ft, subtract 1.

      3) Total cloud cover equal to 10/10, subtract 1. (This will apply to ceilings $\geq$ 7000 ft. since cases with 10/10 coverage below 7000 ft. are considered in item 1 above).

      4) If insolation class number has not been modified by steps (1), (2), or (3) above, assume modified class number equal to insolation class number.

      5) If modified insolation class number is less than 1, assign a value of 1.

6) Use the net radiation index in Table 5 corresponding to the modified insolation class number.

Table 4

Stability class as a function of net radiation and wind speed

Wind Speed (knots)	Net radiation index 4	3	2	1	0	-1	-2
0,1	1	1	2	3	4	6	7
2,3	1	2	2	3	4	6	7
4,5	1	2	3	4	4	5	6
6	2	2	3	4	4	5	6
7	2	2	3	4	4	4	5
8,9	2	3	3	4	4	4	5
10	3	3	4	4	4	4	5
11	3	3	4	4	4	4	4
≥ 12	3	4	4	4	4	4	4

Table 5

Insolation as a function of solar altitude

Solar Altitude (a)	Insolation	Insolation class number
$60^\circ < a$	strong	4
$35^\circ < a \leq 60^\circ$	moderate	3
$15^\circ < a \leq 35^\circ$	slight	2
$a \leq 15^\circ$	weak	1

The method described is representative of stability over rural areas, but is not as reliable for urban areas.[3] Urban areas do not usually reach the conditions found in stability class 6 or 7 of the method outlined above. For this reason, stability class 5 was assigned if conditions indicated a class 6 or 7 stability.

5.0 Traffic Studies

Automatic traffic counters were utilized on various road segments in the study area; these sites are indicated in Figure 7. The counters were located to provide lane distribution and total directional volume information. Detailed traffic information was also obtained by manual traffic counts determining vehicle mix, lane distribution, and queue lengths. In addition, observers were employed to take timed auto trips through the intersection, the data recorded including idling time information, and typical vehicle speeds at specific distances from the intersection.

5.1 Automatic Traffic Counters

The counters used were Streeter Amet "Traficounters." These units are pressure activated counters that automatically counts one vehicle for each two pulses received. At the end of each hour the counter printed the total number of vehicles and reset to zero. The hourly totals are given in Appendix C.

It should be noted that several totals are marked with an asterisk; in these cases the counter failed to register for the first fifteen minute segment of the hour. When this occurred, the value printed at the end of an hour was a forty-five minute total. These totals were linearly extrapolated to represent one-hour totals.

The primary cause of data omissions was due to snowplow damage to counter tubes. Equipment malfunctions, such as the

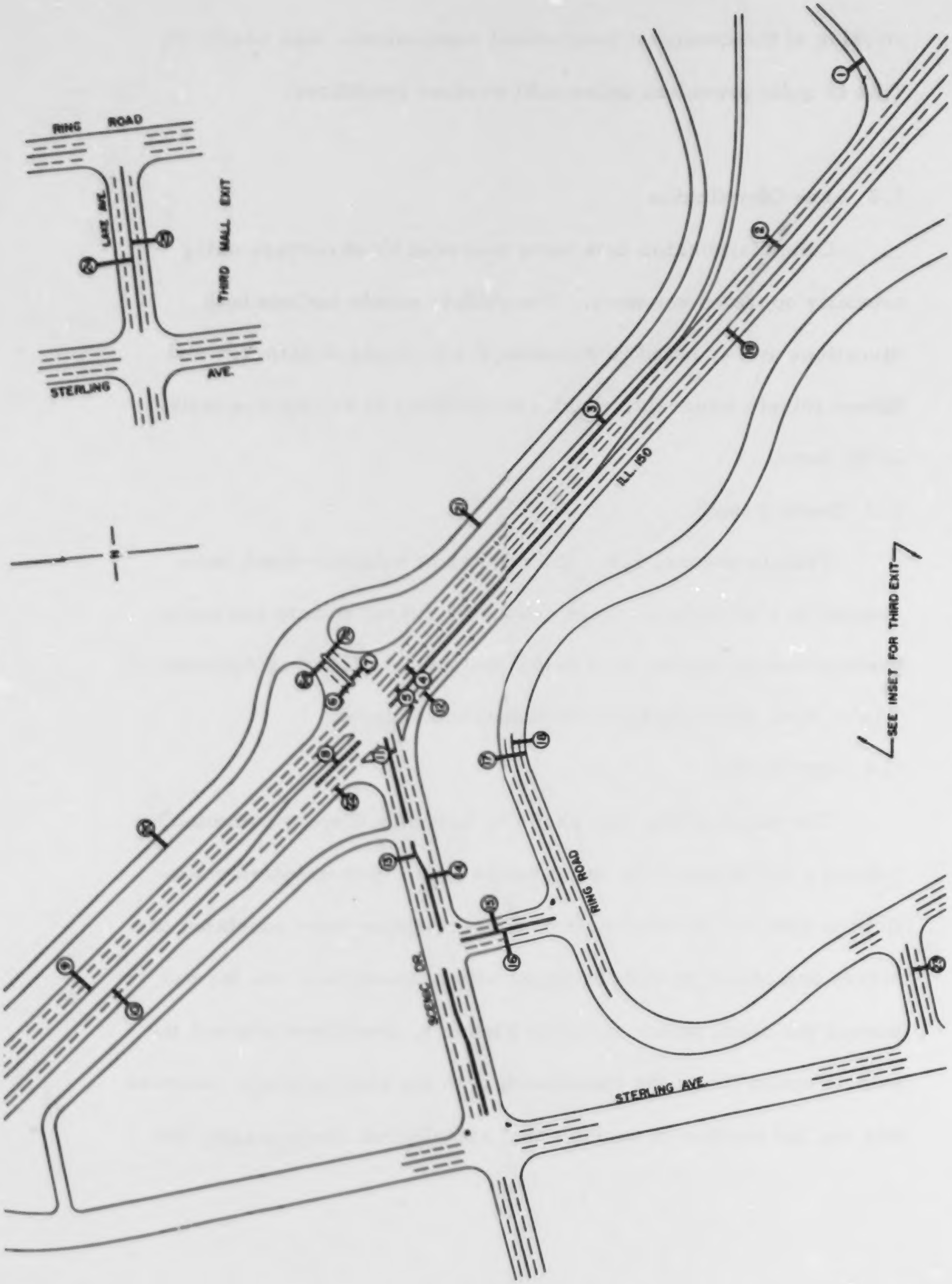


Figure 7. Automatic Traffic Counter Locations

sticking of the counters' mechanical components, also occurred. This is quite prevalent under cold weather conditions.

5.2 Lane Distribution

Lane distribution data were recorded by observers using manually operated counters. The vehicle counts include both directions and as noted in Appendix C are obtained from ten and fifteen minute intervals, which are assumed to be representative of the hour.

5.3 Queue Length

Vehicle queues, i.e., the number of vehicles which were stopped in a given lane, were counted in fifteen minute intervals, average hourly values were calculated and are listed in Appendix C. The various lane locations are shown in Figure 8.

5.4 Speed-Delay

The speed-delay data shown in Appendix C were collected by driving a car through the intersection over a pre-selected route flowing with the moving traffic. A speed-delay team consisted of a driver and observer both equipped with stopwatches. As the car passed the check points shown in Figure 9, the driver relayed the vehicle speed (from the speedometer) to the observer who recorded this and the number of seconds that had elapsed since passing the

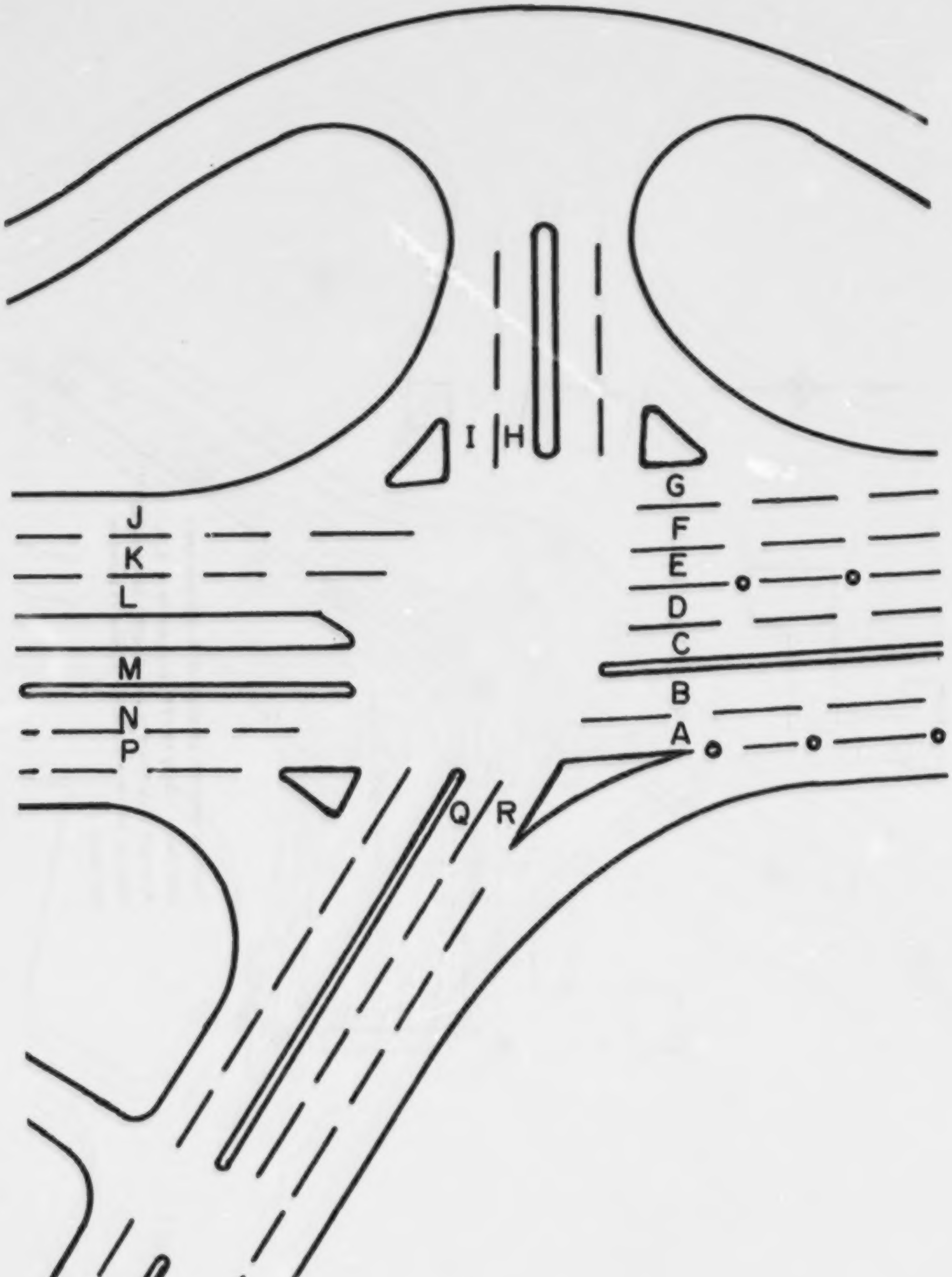
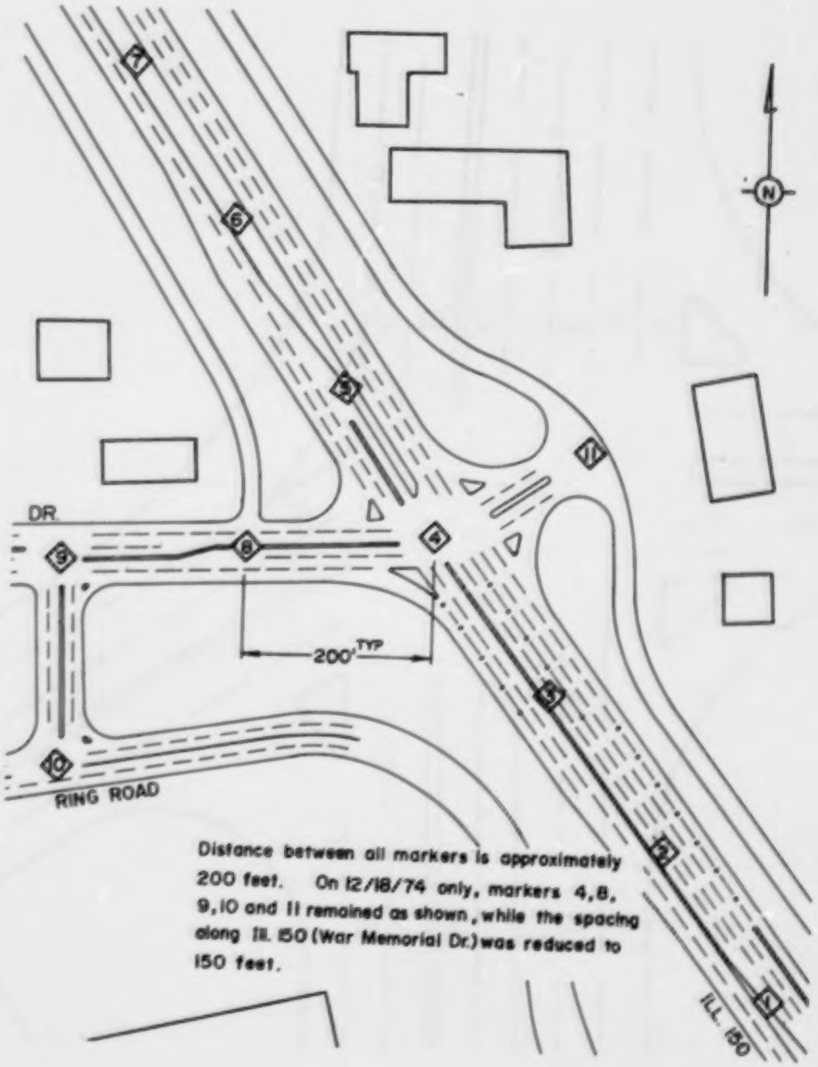


Figure 8. Traffic Study Lane Designation Key



Distance between all markers is approximately 200 feet. On 12/18/74 only, markers 4, 8, 9, 10 and 11 remained as shown, while the spacing along Ill. 150 (War Memorial Dr.) was reduced to 150 feet.

Figure 9. Speed Delay Stations

first check point. From the elapsed time and distance between check points the average speeds can also be computed. On those runs in which the car was stopped because of traffic conditions, the driver timed the total delay. This idle time and the approximate location were then recorded by the observer.

For example, the data recorded for a trip designated 10-1 shows the vehicle speed and elapsed time of the run at each of the points 9, 8, 4, 3, 2 and 1. Similarly, a run designated as 7-10 had the speed and elapsed time recorded at the check points 6, 5, 4, 8, 9 and 10.

Note that both a 1-10R and 1-10L appear on the data sheet. The only difference in the two routes was that left turns were made from lanes "C" and "D" respectively (see Figure 8).

5.5 Vehicle Mix

The vehicle mix data presented in Appendix C were compiled using visual counting methods. The observers classified the vehicles passing their station according to these subdivisions:

Cars

Pickup trucks, campers/light vans

Light trucks (greater than 6,000 but less than 16,000 lbs.)

Intermediate trucks and gasoline powered tractor-trailers (greater than 16,000 lbs.)

Diesels (including diesel buses, dump trucks, semi trailers, etc.)

Observations were made for ten minute intervals throughout the day as indicated on the data sheets.

Acknowledgments

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References

1. Norco, J.E., and R. K. Raufer, "Final Report on Carbon Monoxide Monitoring Study at the Intersection of Route 83 and 22nd Street," Environmental Technology Assessment, Inc., Oak Brook, Illinois, July, 1974.
2. Turner, D. B., "Relationships between 24-hour mean air quality measurements and meteorological factors in Nashville, Tennessee," J. Air Poll. Cont. Assoc., 11, 484-489, 1961.
3. Turner, D. B., Workbook on Atmospheric Dispersion Estimates, National Air Pollution Control Association, Public Health Service Pub. No. 999-AP-26, Cincinnati, Ohio, 1970.

Appendices

The data in the appendices are generally reported as hourly averages and are presented in three categories:

A. Air Quality Monitoring Results

B. Meteorological Data

C. Traffic Study Results

It will be noted that there are gaps in the data. Although it is anticipated that less than 100% of the data will be recovered due to the difficulties associated with field work, this study encountered more problems than would normally be expected. An unusual amount of inclement weather created a number of difficulties for field personnel and monitoring equipment operation. On two occasions, snowplows severely damaged a large number of traffic counter tubes. The mechanical components of a few counters malfunctioned because of the low temperatures. Hazardous driving conditions during heavy snows prevented the field personnel from completing all speed-delay runs and at one point, freezing rain stopped weathervane movement.

In addition, certain other problems were encountered that prevented complete data collection such as vandalism and accidental interruption of electrical service to monitoring stations by the private businesses supplying the power.

APPENDIX A

1. **Continuous CO Monitoring Data**

2. **Mobile Laboratory and Bag Sampling Data**

1. Continuous Monitoring CO Data

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/12/74

	Site Number			
Time	2	4	5	6
00-0100				
0100-0200				
0200-0300				
0300-0400				
0400-0500				
0500-0600				
0600-0700				
0700-0800				
0800-0900				
0900-1000				
1000-1100				
1100-1200				
1200-1300				
1300-1400				
1400-1500				
1500-1600				
1600-1700				4
1700-1800				4
1800-1900				3
1900-2000	6		3	2
2000-2100	3		4	1
2100-2200	3		4	2
2200-2300	4		3	1
2300-2400	3		2	1

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/13/74

	Site Number			
Time	2	4	5	6
00-0100	2		1	1
0100-0200	2		1	2
0200-0300	2		2	2
0300-0400	2		2	3
0400-0500	1		2	2
0500-0600	1		2	2
0600-0700	3		3	2
0700-0800	5		4	3
0800-0900	3		4	3
0900-1000	2		4	3
1000-1100			4	4
1100-1200			4	4
1200-1300		6	4	4
1300-1400		5	4	4
1400-1500		5	4	3
1500-1600		6	4	2
1600-1700		9	4	3
1700-1800		5	5	4
1800-1900		5	5	3
1900-2000		5	5	3
2000-2100	4	5	4	3
2100-2200	3	4	4	4
2200-2300	2	4	4	2
2300-2400	2	4	4	2

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/14/74

	Site Number			
Time	2	4	5	6
00-0100	2	2	4	2
0100-0200	1	2	3	1
0200-0300	0	1	3	1
0300-0400	0	1	3	1
0400-0500	0	0	3	1
0500-0600	1	1	3	2
0600-0700	3	3	4	4
0700-0800	5	4	5	6
0800-0900	3	3	6	5
0900-1000	2	2	5	4
1000-1100	1	1	4	4
1100-1200	1	1	4	3
1200-1300	3	2	4	4
1300-1400	1	3	5	4
1400-1500	1	1	5	5
1500-1600	1	1	5	3
1600-1700	1	2	4	3
1700-1800	1	2	3	2
1800-1900	1	4	3	2
1900-2000	1	6	3	2
2000-2100	1	7	3	2
2100-2200	1	8	2	2
2200-2300	1	10	2	1
2300-2400	1	10	2	1

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/15/74

	Site Number			
Time	2	4	5	6
00-0100	0	11	2	1
0100-0200	0	11	2	1
0200-0300	0	12	2	0
0300-0400	0	12	2	0
0400-0500	0	12	2	0
0500-0600	0	10	1	0
0600-0700	0	8	1	0
0700-0800	1	6	2	0
0800-0900	2	5	2	1
0900-1000	2	4	2	1
1000-1100	3	3	2	1
1100-1200	6		2	2
1200-1300	6		2	2
1300-1400	7		3	2
1400-1500	7		3	2
1500-1600	5	2	3	2
1600-1700	3	1	3	2
1700-1800	3	2	3	2
1800-1900	3	1	3	2
1900-2000	2	1	3	1
2000-2100	1	1	3	1
2100-2200	1	1	3	1
2200-2300	1	1	2	1
2300-2400	1	1	2	1

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/16/74

	Site Number			
Time	2	4	5	6
00-0100	1	1	2	1
0100-0200	1	1	2	1
0200-0300	1	0	2	1
0300-0400	0	0	2	1
0400-0500	0	0	2	1
0500-0600	0	0	2	1
0600-0700	1	0	2	1
0700-0800	4	2	2	2
0800-0900	2	1	2	2
0900-1000	2	1	2	2
1000-1100	2	1	2	2
1100-1200	2	2	3	1
1200-1300	3	2	2	1
1300-1400	1	2	2	1
1400-1500	1	2	2	1
1500-1600	2	2	2	1
1600-1700	3	3	2	2
1700-1800	3	4	2	2
1800-1900	3	4	2	2
1900-2000	1	2	2	2
2000-2100	3	2	2	1
2100-2200	2	3	2	1
2200-2300	1	2	2	1
2300-2400	1	2	2	1

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/17/74

	Site Number			
Time	2	4	5	6
00-0100	0	1	1	1
0100-0200	0	0	1	1
0200-0300	0	0	1	1
0300-0400	0	1	0	1
0400-0500	0	0	1	1
0500-0600	1	0	1	1
0600-0700	2	1	1	1
0700-0800	5	2	1	2
0800-0900	2	2	1	1
0900-1000	2	2	1	1
1000-1100	2	2	1	1
1100-1200		2	1	1
1200-1300			2	1
1300-1400			2	1
1400-1500			2	1
1500-1600			2	1
1600-1700			2	2
1700-1800			2	2
1800-1900			2	1
1900-2000			2	1
2000-2100			2	1
2100-2200			2	1
2200-2300			3	1
2300-2400			3	1

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/18/74

	Site Number			
Time	2	4	5	6
00-0100			1	1
0100-0200			1	1
0200-0300			1	1
0300-0400			1	1
0400-0500			1	1
0500-0600			1	1
0600-0700			1	3
0700-0800			2	8
0800-0900			3	7
0900-1000			6	3
1000-1100			7	6
1100-1200			4	6
1200-1300			4	3
1300-1400	3		4	4
1400-1500	2		4	5
1500-1600	2		4	4
1600-1700	2		4	5
1700-1800	2		3	4
1800-1900	2		3	5
1900-2000	2		3	4
2000-2100	3	2	3	4
2100-2200	2	2	4	4
2200-2300	3	5	4	4
2300-2400	4	3	4	2

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/19/74

	Site Number			
Time	2	4	5	6
00-0100	2	1	3	1
0100-0200	1	0	2	1
0200-0300	1	0	2	1
0300-0400	1	0	2	1
0400-0500	1	0	2	1
0500-0600	2	0	2	1
0600-0700	2	1	2	2
0700-0800	5	4	2	3
0800-0900	4	4	3	2
0900-1000	7	2	1	2
1000-1100	3	3	1	1
1100-1200	3	2	0	3
1200-1300	2	2	0	4
1300-1400	4	2	0	4
1400-1500	6	2	1	3
1500-1600	8	3	1	4
1600-1700	12	6	2	6
1700-1800	11	9	3	9
1800-1900	12	10	4	11
1900-2000	13	9	6	20
2000-2100	12	10	11	20
2100-2200	12	11	9	13
2200-2300	5	7	5	6
2300-2400	3	2	2	5

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/20/74

	Site Number			
Time	2	4	5	6
00-0100	2	3	2	4
0100-0200	2	1	1	3
0200-0300	2	0		3
0300-0400	2	0		2
0400-0500	1	0		2
0500-0600	1	0		2
0600-0700	2	0		2
0700-0800	3	0		4
0800-0900	2	1		4
0900-1000	2	1		3
1000-1100	2	2		3
1100-1200	2	1		
1200-1300	0	1		
1300-1400	1	1		
1400-1500	1	1	6	
1500-1600	1	1	7	3
1600-1700	1	1	8	6
1700-1800	1	1	9	7
1800-1900	1	1	9	8
1900-2000	1	2	9	8
2000-2100	2	3	9	8
2100-2200	4	3	9	7
2200-2300	3	6	9	9
2300-2400	2	6	8	8

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/21/74

	Site Number			
Time	2	4	5	6
00-0100	0	5	7	5
0100-0200	0	3	6	6
0200-0300	0	2	6	3
0300-0400	1	0	6	3
0400-0500	1	1	6	3
0500-0600	1	1	6	3
0600-0700	1	1	6	2
0700-0800	1	1	6	2
0800-0900	2	1	6	2
0900-1000	2	2	6	2
1000-1100	2	2	6	2
1100-1200	2	3	6	2
1200-1300	3	4	6	2
1300-1400	1	3	6	2
1400-1500		4	6	2
1500-1600	3	3	6	3
1600-1700	5	4	3	6
1700-1800	8	6	4	6
1800-1900	5	6	4	7
1900-2000	5	7	4	9
2000-2100	8	7	6	13
2100-2200	10	8	7	12
2200-2300	7	10	12	16
2300-2400	10	13	14	20

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/22/74

	Site Number			
Time	2	4	5	6
00-0100	11	10	16	21
0100-0200	8	9	15	15
0200-0300	10	4	9	6
0300-0400	13	3	4	4
0400-0500	7	1	4	4
0500-0600	4	1	4	3
0600-0700	2	1	3	2
0700-0800	2	1	2	2
0800-0900	2	1	2	2
0900-1000	2	1	2	2
1000-1100	2	2	2	2
1100-1200	2	2	2	2
1200-1300	2	2	2	2
1300-1400	2	3	2	3
1400-1500	2	3	2	
1500-1600	3	4	1	
1600-1700	3	5	2	
1700-1800	4	6	2	
1800-1900	4	6	2	
1900-2000	2	3	1	
2000-2100	2	3	0	
2100-2200	2	2	0	
2200-2300	2	2	0	
2300-2400	1	2	0	

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/23/74

	Site Number			
Time	2	4	5	6
00-0100	1	1	0	
0100-0200	2	1	0	
0200-0300	3	2	1	
0300-0400	3	3	0	
0400-0500	7	2	0	
0500-0600	5	4	1	
0600-0700	6	3	4	
0700-0800	9	9	8	
0800-0900	10	8	8	
0900-1000	9	6	4	
1000-1100	4	4	4	
1100-1200	2	3	4	
1200-1300	1	2	4	
1300-1400		2	4	
1400-1500	2	3	6	6
1500-1600	2	4	3	4
1600-1700	2	3	3	3
1700-1800	9	1	3	2
1800-1900	2	2	2	1
1900-2000	2	1	2	
2000-2100	2	3	3	
2100-2200	2	3	2	
2200-2300	2	2	2	4
2300-2400	2	2	1	4

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/24/74

	Site Number			
Time	2	4	5	6
00-0100	1	1	1	4
0100-0200	1	1	1	4
0200-0300	1	1	0	4
0300-0400	1	1	0	4
0400-0500	1	1	0	5
0500-0600	1	1	1	4
0600-0700	1	1	2	5
0700-0800	1	1	3	6
0800-0900	2	1	2	6
0900-1000	3	1	2	5
1000-1100	2	1	3	5
1100-1200	2	2	4	4
1200-1300	1	1	3	5
1300-1400	1	1	3	4
1400-1500	2	2	3	3
1500-1600		2	2	5
1600-1700		1	1	3
1700-1800		1	1	3
1800-1900	5	2	1	2
1900-2000	4	1	1	3
2000-2100	4	1	1	3
2100-2200	4	1	1	3
2200-2300	3	1	1	3
2300-2400	3	1	1	3

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/25/74

	Site Number			
Time	2	4	5	6
00-0100	2	1	1	2
0100-0200	2	0	2	1
0200-0300	2	0	2	1
0300-0400	2	0	2	1
0400-0500	2	0	2	0
0500-0600	2	0	2	0
0600-0700	2	0	1	0
0700-0800	2	1	1	0
0800-0900	2	1	1	1
0900-1000	2	1	1	1
1000-1100	2	1	0	1
1100-1200	1	1	0	2
1200-1300	1	1	0	2
1300-1400	1	1	1	2
1400-1500	1	1	2	2
1500-1600	2	1	3	2
1600-1700	4	2	3	3
1700-1800	5	3	3	6
1800-1900	5	4	3	5
1900-2000	4	4	2	6
2000-2100	4	3	2	4
2100-2200	4	2	2	4
2200-2300	2	2	2	4
2300-2400	1	1	2	3

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/26/74

	Site Number			
Time	2	4	5	6
00-0100	1	1	1	2
0100-0200	1	1	1	2
0200-0300	1	0	1	2
0300-0400	1	0	1	2
0400-0500	1	0	0	2
0500-0600	2	0	1	2
0600-0700	4	1	1	2
0700-0800	3	3	2	2
0800-0900	4	3	2	2
0900-1000	5	4	2	4
1000-1100	5	4	3	5
1100-1200	5	5	2	4
1200-1300	5	6	2	3
1300-1400	5	5	3	4
1400-1500	6	5	2	4
1500-1600	6	5	2	5
1600-1700	7	6	3	5
1700-1800	6	6	3	4
1800-1900	4	4	2	4
1900-2000	4	4	2	4
2000-2100	4	4	2	3
2100-2200	4	4	1	2
2200-2300	3	2	1	2
2300-2400	2	2	1	2

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/27/74

	Site Number			
Time	2	4	5	6
00-0100	1	2	1	2
0100-0200	1	1	1	2
0200-0300	1	1	1	2
0300-0400	1	1	2	1
0400-0500	1	1	2	1
0500-0600	1	1	2	1
0600-0700	2	1	2	2
0700-0800	3	2	3	3
0800-0900	3	3	2	3
0900-1000	4	3	2	3
1000-1100	6	4	2	4
1100-1200	8	4	2	4
1200-1300	6	5	2	4
1300-1400	5	5	2	4
1400-1500	7	5	2	4
1500-1600	6	5		3
1600-1700	6	6	4	4
1700-1800	9	8	2	4
1800-1900	5	4	2	2
1900-2000	4	4	2	3
2000-2100	6	6	2	3
2100-2200	4	4	2	2
2200-2300	2	3	1	2
2300-2400	2	3	1	2

"Ecolyzer" Air Quality Data
Carbon Monoxide (ppm)

Date: 12/28/74

	Site Number			
Time	2	4	5	6
00-0100	1	2	2	2
0100-0200	1	2	2	1
0200-0300	1	1	2	0
0300-0400	0	1	1	0
0400-0500	0	1	1	0
0500-0600	0	1	1	1
0600-0700	1	1	1	1
0700-0800	2	2	1	2
0800-0900	2	3	2	3
0900-1000	3	4	2	3
1000-1100	4	6	2	
1100-1200	6	6	2	
1200-1300	3	6	2	
1300-1400	6	5	2	
1400-1500	5	7	2	
1500-1600	7	6		
1600-1700		7		
1700-1800				
1800-1900				
1900-2000				
2000-2100				
2100-2200				
2200-2300				
2300-2400				

2. Mobile Laboratory and Bag Sampling Data

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/10/74 Site Number: 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100					
1100-1200					
1200-1300					
1300-1400					
1400-1500					
1500-1600					
1600-1700					
1700-1800					
1800-1900	0.001	0.005			
1900-2000	0.002	0.008			
2000-2100	0.004	0.011			2.28
2100-2200	0.007	0.027			1.67
2200-2300	0.006	0.021			1.43
2300-2400	0.005	0.018			1.47

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/11/74 Site Number: 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100	0.014	0.025			1.28
0100-0200	0.013	0.023			1.33
0200-0300	0.022	0.016			1.17
0300-0400	0.031	0.016			1.21
0400-0500	0.032	0.015			1.19
0500-0600	0.052	0.025			1.15
0600-0700	0.072	0.035			1.17
0700-0800					
0800-0900					
0900-1000					
1000-1100					
1100-1200					
1200-1300					
1300-1400					
1400-1500	0.010	0.011		1.25	3.23
1500-1600	0.012	0.013		2.01	5.73
1600-1700	0.014	0.017		6.53	1.73
1700-1800	0.020	0.015		2.87	10.47
1800-1900	0.025	0.018		3.03	6.75
1900-2000	0.032	0.020		2.04	6.89
2000-2100	0.034	0.023		2.17	5.37
2100-2200	0.028	0.024		1.98	6.45
2200-2300	0.030	0.028		2.05	5.64
2300-2400	0.031	0.027		1.75	3.78

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/12/74 Site Number: 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100	0.020	0.023		1.48	2.79
0100-0200	0.017	0.027		1.76	1.20
0200-0300	0.015	0.030		1.04	1.13
0300-0400	0.014	0.031		1.10	1.07
0400-0500	0.016	0.043		1.07	0.87
0500-0600	0.015	0.050		1.03	0.93
0600-0700	0.013	0.046		1.05	1.29
0700-0800	0.014	0.048		1.12	1.36
0800-0900	0.016	0.043		1.17	1.31
0900-1000	0.013	0.031		1.23	1.96
1000-1100	0.020	0.026		1.15	1.27
1100-1200	0.027	0.025		1.06	1.79
1200-1300	0.020	0.023		1.20	1.63
1300-1400	0.021	0.025		1.27	3.78
1400-1500	0.018	0.027		1.36	4.63
1500-1600	0.017	0.030		1.41	3.84
1600-1700	0.012	0.028		1.37	6.02
1700-1800	0.013	0.033		1.46	4.76
1800-1900	0.010	0.037		1.30	5.40
1900-2000	0.015	0.040		1.28	4.63
2000-2100	0.013	0.031		1.27	3.87
2100-2200	0.011	0.020		1.35	6.81
2200-2300	0.012	0.015		1.28	2.57
2300-2400	0.010	0.014		1.12	2.45

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/13/74 Site Number: 1

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100	0.047	0.081	2.83	1.51	3.03
1100-1200	0.076	0.080	3.18	1.85	3.72
1200-1300	0.071	0.082	3.32	2.01	4.89
1300-1400	0.056	0.072	3.13	1.79	4.50
1400-1500	0.060	0.095	3.23	1.73	5.57
1500-1600					
1600-1700	0.067	0.137	3.28	1.88	6.84
1700-1800	0.071	0.155	3.72	1.21	6.94
1800-1900	0.060	0.127	3.42	1.92	5.38
1900-2000	0.062	0.117	3.28	1.90	5.87
2000-2100	0.066	0.145	3.72	2.20	6.26
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/13/74 Site Number: 3

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100	0.062	0.0104	2.93	1.63	3.91
1100-1200	0.071	0.093	3.62	2.28	4.60
1200-1300	0.093	0.110	3.86	2.51	5.08
1300-1400	0.068	0.077	2.79	1.27	3.23
1400-1500	0.054	0.073	3.32	1.84	4.30
1500-1600					
1600-1700	0.050	0.075	3.32	1.92	4.50
1700-1800	0.077	0.138	3.37	1.89	5.86
1800-1900	0.066	0.132	3.32	1.72	5.18
1900-2000	0.072	0.082	3.42	1.79	4.10
2000-2100	0.059	0.080	3.18	1.70	3.81
2100-2200	0.052	0.083	3.42	1.93	3.72
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/13/74 Site Number: 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100	0.025	0.024	2.35	1.02	1.87
0100-0200	0.036	0.031	2.45	1.08	1.93
0200-0300	0.033	0.023	2.43	1.07	2.48
0300-0400	0.037	0.025	2.24	0.90	2.53
0400-0500	0.038	0.027	2.27	0.94	2.05
0500-0600	0.045	0.030	2.23	0.93	2.31
0600-0700	0.046	0.034	2.25	0.92	2.48
0700-0800	0.045	0.036	2.36	1.04	3.12
0800-0900	0.054	0.035	2.50	1.13	2.56
0900-1000	0.047	0.031			
1000-1100	0.043	0.037			
1100-1200	0.055	0.039			
1200-1300	0.044	0.047	2.25	0.95	2.74
1300-1400	0.034	0.007	2.49	1.21	3.23
1400-1500	0.052	0.042	2.40	0.85	9.38
1500-1600	0.075	0.032	2.59	1.10	4.20
1600-1700	0.025	0.045	3.62	1.92	4.40
1700-1800	0.077	0.077	3.18	1.48	6.55
1800-1900	0.086	0.091	3.91	1.33	2.93
1900-2000	0.029	0.064	2.84	1.46	3.81
2000-2100	0.059	0.031	2.54	1.04	4.50
2100-2200	0.008	0.054	2.49	0.99	3.42
2200-2300	0.040	0.015	2.49	1.01	2.64
2300-2400	0.046	0.026	2.35	0.95	2.40

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/13/74 Site Number: 8

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100	0.033	0.081	2.78	1.46	2.54
1100-1200	0.40	0.36	3.18	1.86	4.80
1200-1300	0.043	0.032	2.98	1.68	4.01
1300-1400	0.044	0.049	3.03	1.71	4.11
1400-1500	0.048	0.045	2.98	1.49	4.20
1500-1600					
1600-1700	0.054	0.073	3.03	1.53	5.48
1700-1800	0.059	0.103	3.57	2.07	6.06
1800-1900	0.036	0.105	3.62	2.03	5.38
1900-2000	0.054	0.099	3.52	2.13	5.08
2000-2100	0.062	0.098	3.96	2.46	8.99
2100-2200	0.044	0.087	4.01	2.57	9.68
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/13/74 Site Number: 9

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100	0.056	0.127	3.27	1.93	4.20
1100-1200	0.065	0.111	3.67	2.28	5.77
1200-1300	0.092	0.156	3.72	2.35	7.53
1300-1400	0.072	0.131	3.72	2.40	7.23
1400-1500	0.070	0.170	4.02	2.51	9.68
1500-1600					
1600-1700	0.095	0.236	4.25	2.81	10.85
1700-1800	0.104	0.299	4.20	2.69	10.56
1800-1900	0.097	0.252	4.25	2.64	9.58
1900-2000		0.116	4.16	3.76	9.68
2000-2100	0.079	0.166	3.72	2.24	8.41
2100-2200	0.068	0.174	3.81	2.33	8.90
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/13/74 Site Number: 10

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100	0.057	0.156	3.12	1.77	6.45
1100-1200	0.058	0.066	3.62	2.28	7.92
1200-1300	0.095	0.201	3.76	2.40	8.51
1300-1400	0.057	0.028	2.79	1.28	3.13
1400-1500	0.086	0.219	3.72	2.18	9.68
1500-1600					
1600-1700	0.100	0.251	3.72	2.30	8.50
1700-1800	0.131	0.394	4.50	2.95	12.81
1800-1900	0.120	0.316	4.30	2.82	10.07
1900-2000	0.099	0.309	3.96	2.49	9.78
2000-2100	0.082	0.210	3.72	2.24	6.16
2100-2200	0.077	0.203	3.72	2.23	6.16
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/14/74 Site Number: 1

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900		0.041	3.08	1.70	2.54
0900-1000	0.037	0.053	3.03	1.72	2.84
1000-1100	0.025	0.022	2.98	1.71	2.15
1100-1200	0.034	0.019	3.03	1.80	1.96
1200-1300	0.035	0.051	3.32	2.08	2.15
1300-1400	0.028	0.049	3.32	2.03	2.35
1400-1500	0.031	0.043	2.93	1.68	5.18
1500-1600	0.026	0.028	2.59	1.36	1.88
1600-1700	0.054	0.040	2.64	1.40	2.15
1700-1800	0.027	0.034	2.44	1.19	2.54
1800-1900	0.024	0.014	2.35	1.11	1.76
1900-2000	0.026	0.020	2.49	1.24	2.35
2000-2100	0.026	0.051	2.35	1.09	1.76
2100-2200	0.023	0.054	2.20	0.96	2.54
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/14/74 Site Number: 3

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900		0.045	3.57	2.19	3.62
0900-1000	0.051	0.060	3.67	2.31	3.23
1000-1100	0.045	0.020	3.28	1.99	2.44
1100-1200	0.037	0.027	3.18	1.94	2.35
1200-1300	0.045	0.056	4.11	2.86	3.03
1300-1400	0.045	0.048	3.72	2.50	2.74
1400-1500	0.035	0.042	3.03	1.78	5.18
1500-1600	0.036	0.038	3.03	1.79	2.35
1600-1700	0.056	0.058	3.42	2.18	2.44
1700-1800	0.031	0.018	2.54	1.22	1.76
1800-1900	0.028	0.020	2.60	1.31	1.76
1900-2000	0.034	0.017	2.40	1.11	1.86
2000-2100			2.35	1.08	1.56
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/14/74 Site Number: 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100	0.039	0.025	2.50	1.12	2.15
0100-0200	0.037	0.023	2.25	0.90	1.80
0200-0300	0.028	0.021	2.30	0.98	2.15
0300-0400	0.032	0.032	2.40	1.07	1.90
0400-0500	0.033	0.023	2.40	0.95	2.10
0500-0600	0.039	0.045	2.75	1.25	2.25
0600-0700	0.042	0.070	3.25	1.50	2.80
0700-0800	0.062	0.134	4.20	2.60	5.20
0800-0900	0.057	0.153			
0900-1000	0.047	0.084	2.10	0.80	4.40
1000-1100	0.109	0.085	3.23	1.88	3.23
1100-1200	0.076	0.070	2.25	0.96	8.31
1200-1300	0.032	0.154	3.03	1.74	5.08
1300-1400	0.192	0.070	2.35	1.09	4.99
1400-1500	0.059	0.117	3.03	1.76	3.72
1500-1600	0.056	0.069	2.15	0.95	4.89
1600-1700	0.048	0.123	2.49	1.21	6.55
1700-1800	0.143	0.040	1.96	0.75	3.42
1800-1900	0.063	0.060	2.25	0.95	3.42
1900-2000	0.060	0.072	2.00	0.77	3.81
2000-2100	0.060	0.042	2.00	0.79	3.23
2100-2200	0.058	0.089	2.44	1.14	1.86
2200-2300	0.049	0.069	2.00	0.74	3.03
2300-2400	0.065	0.105	2.05	0.81	2.05

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/14/74 Site Number: 8

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.071	0.162	3.23	1.85	5.60
0900-1000	0.058	0.133	3.37	1.98	4.30
1000-1100	0.071	0.178	3.18	1.89	5.08
1100-1200	0.158	0.113	3.47	2.19	5.87
1200-1300	0.074	0.222	3.47	2.19	7.23
1300-1400	0.058	0.181	3.24	2.03	5.96
1400-1500	0.072	0.212	3.81	2.51	10.95
1500-1600	0.080	0.239	3.81	2.51	11.54
1600-1700	0.060	0.210	2.44	1.21	3.81
1700-1800	0.070	0.200	3.42	2.10	9.09
1800-1900	0.059	0.139	2.84	1.54	4.89
1900-2000	0.051	0.126	2.54	1.30	3.52
2000-2100	0.045	0.144	2.64	1.34	3.72
2100-2200	0.043	0.145	3.18	1.88	6.45
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/14/74 Site Number: 9

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.045	0.064	3.72	2.37	2.84
0900-1000	0.049	0.075	3.67	2.35	2.93
1000-1100	0.043	0.040	3.67	2.38	2.35
1100-1200	0.050	0.052	3.81	1.56	2.54
1200-1300	0.045	0.072	4.20	2.95	3.03
1300-1400	0.048	0.087	4.01	2.76	2.93
1400-1500	0.044	0.051	3.47	2.24	2.35
1500-1600	0.054	0.043	2.59	1.32	2.25
1600-1700	0.040	0.052	2.74	1.46	2.05
1700-1800	0.031	0.026	2.35	1.10	1.86
1800-1900	0.034	0.017	2.54	1.22	1.76
1900-2000	0.028	0.041	2.59	1.39	1.76
2000-2100	0.027	0.046	2.49	1.27	1.76
2100-2200	0.026	0.056	2.39	1.19	1.76
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/14/74 Site Number: 10

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.050	0.065	3.76	2.38	3.81
0900-1000	0.049	0.064	3.47	2.12	3.2
1000-1100	0.049	0.058	3.27	1.97	3.32
1100-1200	0.049	0.045	3.37	2.12	3.42
1200-1300	0.049	0.078	3.28	2.02	3.72
1300-1400	0.048	0.086	3.42	2.22	3.23
1400-1500	0.044	0.058	3.18	1.95	3.13
1500-1600	0.035	0.043	2.74	1.50	4.89
1600-1700	0.030	0.040	2.74	1.49	2.35
1700-1800	0.039	0.029	2.64	1.36	2.15
1800-1900	0.037	0.023	2.54	1.24	1.96
1900-2000	0.038	0.045	2.54	1.30	1.86
2000-2100	0.026	0.053	2.54	1.34	1.56
2100-2200	0.029	0.061	2.49	1.26	2.05
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/15/74 Site Number: 1

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100					
1100-1200	0.032	0.048	2.64	1.34	2.74
1200-1300	0.040	0.085	2.84	1.54	4.01
1300-1400	0.037	0.082	2.79	1.49	4.30
1400-1500	0.045	0.101	2.88	1.60	4.50
1500-1600	0.040	0.100	2.83	1.51	4.79
1600-1700	0.042	0.087	2.64	1.33	4.01
1700-1800	0.035	0.068	2.59	1.31	3.52
1800-1900	0.034	0.056	2.49	1.18	3.81
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/15/74 Site Number: 3

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100					
1100-1200	0.038	0.056	2.49	1.19	3.03
1200-1300	0.043	0.087	2.74	1.45	4.11
1300-1400	0.042	0.075	2.74	1.44	4.01
1400-1500	0.034	0.074	2.54	1.29	3.81
1500-1600	0.038	0.054	2.54	1.20	2.84
1600-1700	0.037	0.046	2.44	1.08	2.64
1700-1800	0.038	0.049	2.42	1.12	2.84
1800-1900	0.034	0.043	2.40	1.05	2.84
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/15/74 **Site Number:** 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100	0.058	0.066	2.05	0.77	1.88
0100-0200	0.088	0.087	2.05	0.76	1.80
0200-0300	0.077	0.082	2.05	0.77	1.73
0300-0400	0.056	0.072	2.13	0.74	1.70
0400-0500	0.038	0.072	2.08	0.79	1.68
0500-0600	0.039	0.088	2.13	0.84	1.65
0600-0700	0.030	0.094	2.11	0.86	1.60
0700-0800	0.036	0.108	2.15	0.82	1.68
0800-0900	0.040	0.111	2.00	0.75	2.05
0900-1000			2.10	0.86	2.15
1000-1100			2.23	1.00	2.07
1100-1200	0.015	0.035	2.10	0.75	3.13
1200-1300	0.031	0.047	2.00	0.71	2.15
1300-1400	0.035	0.026	2.54	1.24	5.48
1400-1500	0.023	0.024	2.10	0.83	3.62
1500-1600	0.051	0.024	2.59	1.20	4.50
1600-1700	0.016	0.043	2.64	1.31	3.42
1700-1800	0.031	0.025	2.59	1.26	3.52
1800-1900	0.036	0.040	2.40	1.03	2.74
1900-2000					
2000-2100	0.081	0.029	2.20	0.86	2.50
2100-2200	0.075	0.028	2.05	0.77	3.25
2200-2300	0.033	0.017	2.05	0.77	2.30
2300-2400	0.001	0.001	2.10	0.83	2.25

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/15/74 Site Number: 8

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100					
1100-1200	0.037	0.039	3.03	1.75	2.84
1200-1300	0.040	0.053	2.79	1.51	3.23
1300-1400	0.046	0.063	2.93	1.61	4.01
1400-1500	0.045	0.079	3.28	1.98	6.35
1500-1600	0.043	0.088	3.52	2.12	9.09
1600-1700	0.047	0.088	3.42	2.04	10.07
1700-1800	0.039	0.060	3.24	1.86	6.36
1800-1900	0.037	0.043	3.03	1.66	6.06
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/15/74 Site Number: 9

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100					
1100-1200	0.050	0.084	2.88	1.59	3.62
1200-1300	0.068	0.162	3.18	1.88	6.26
1300-1400	0.066	0.147	3.28	1.97	6.35
1400-1500	0.081	0.192	3.32	2.02	7.33
1500-1600	0.066	0.164	3.28	1.95	6.94
1600-1700	0.065	0.150	3.03	1.70	5.77
1700-1800	0.056	0.122	2.88	1.58	4.69
1800-1900	0.045	0.088	2.64	1.31	4.11
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/15/74 **Site Number:** 10

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100					
1100-1200	0.068	0.142	3.08	1.76	4.99
1200-1300	0.082	0.227	3.47	2.17	7.53
1300-1400	0.087	0.220	3.67	2.36	8.41
1400-1500	0.097	0.273	3.72	1.39	10.17
1500-1600	0.082	0.222	3.62	1.23	9.19
1600-1700	0.076	0.180	3.28	1.93	7.14
1700-1800	0.069	0.172	3.28	1.89	6.94
1800-1900	0.056	0.132	3.08	1.70	4.11
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/16/74 Site Number: 1

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.040	0.067	2.69	1.43	4.01
0900-1000	0.035	0.060	2.54	1.31	3.42
1000-1100	0.040	0.070	2.40	1.18	3.52
1100-1200	0.044	0.077	2.49	1.27	4.11
1200-1300	0.041	0.080	2.54	1.26	4.40
1300-1400	0.045	0.082	2.49	1.27	4.50
1400-1500	0.042	0.085	2.49	1.27	4.40
1500-1600	0.045	0.098	2.49	1.28	4.30
1600-1700	0.059	0.129	2.59	1.36	4.99
1700-1800	0.052	0.132	2.59	1.36	5.18
1800-1900	0.043	0.095	2.44	1.21	4.50
1900-2000	0.013	0.082	2.35	1.14	4.01
2000-2100	0.041	0.076	2.40	1.19	3.81
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/16/74 Site Number: 3

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.034	0.023	2.25	1.03	2.74
0900-1000	0.035	0.023	2.35	1.15	2.35
1000-1100	0.041	0.021	2.30	1.09	2.84
1100-1200	0.031	0.031	2.49	1.27	3.42
1200-1300	0.035	0.025	2.35	1.12	2.54
1300-1400	0.032	0.024	2.44	1.24	2.44
1400-1500	0.030	0.026	2.15	0.96	2.44
1500-1600	0.037	0.037	2.30	1.09	2.93
1600-1700	0.35	0.042	2.30	1.06	2.84
1700-1800	0.037	0.040	2.25	1.05	2.93
1800-1900	0.032	0.025	2.40	1.19	2.44
1900-2000	0.032	0.021	2.10	0.90	2.05
2000-2100	0.032	0.032	2.49	1.25	3.23
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/16/74 **Site Number:** 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100	0.001	0.001	2.05	0.80	2.15
0100-0200	0.001	0.001	2.00	0.75	2.25
0200-0300	0.001	0.001	2.00	0.75	1.90
0300-0400	0.001	0.001	1.95	0.72	1.90
0400-0500	0.001	0.001	1.90	0.65	1.80
0500-0600	0.001	0.001	1.95	0.72	1.75
0600-0700	0.001	0.001	1.95	0.72	1.80
0700-0800	0.001	0.001	1.95	0.73	2.05
0800-0900	0.018	0.009	1.95	0.71	2.35
0900-1000	0.028	0.013	1.76	0.55	2.05
1000-1100	0.013	0.008	1.68	0.46	1.98
1100-1200	0.022	0.007	1.76	0.56	2.25
1200-1300	0.005	0.015	1.86	0.66	2.35
1300-1400	0.017	0.013	1.81	0.56	2.35
1400-1500	0.027	0.004	1.81	0.61	2.54
1500-1600	0.033	0.012	1.91	0.71	2.35
1600-1700	0.032	0.017	1.81	0.61	2.35
1700-1800	0.015	0.024	1.91	0.72	2.25
1800-1900	0.031	0.004	1.81	0.61	2.15
1900-2000	0.032	0.004	1.86	0.65	2.44
2000-2100	0.027	0.002	1.91	0.70	2.35
2100-2200	0.030	0.018	1.96	0.74	2.44
2200-2300	0.034	0.001	1.90	0.69	1.80
2300-2400	0.042	0.002	1.90	0.68	1.65

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/16/74 Site Number: 8

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.030	0.015	2.25	1.03	2.15
0900-1000	0.038	0.017	2.35	1.13	2.35
1000-1100	0.040	0.025	2.25	1.04	2.35
1100-1200	0.035	0.028	2.10	0.89	2.35
1200-1300	0.048	0.032	2.15	0.93	2.64
1300-1400	0.037	0.032	2.20	0.96	2.74
1400-1500	0.032	0.031	2.20	1.00	2.74
1500-1600	0.032	0.026	2.10	0.89	2.35
1600-1700	0.038	0.037	2.20	0.99	2.93
1700-1800	0.037	0.048	2.20	0.98	3.23
1800-1900	0.034	0.037	2.15	0.93	2.84
1900-2000	0.046	0.053	2.20	0.97	3.23
2000-2100	0.039	0.057	2.30	1.06	3.91
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/16/74 Site Number: 9

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.056	0.104	2.69	1.45	4.20
0900-1000	0.057	0.102	2.64	1.39	4.40
1000-1100	0.073	0.133	2.59	1.36	4.40
1100-1200	0.070	0.156	2.74	1.48	5.87
1200-1300	0.060	0.151	2.84	1.59	6.06
1300-1400	0.063	0.149	2.79	1.50	6.16
1400-1500	0.067	0.152	2.79	1.51	5.77
1500-1600	0.066	0.178	2.79	1.54	6.06
1600-1700	0.066	0.150	2.88	1.65	7.14
1700-1800	0.136	0.208	2.93	1.68	7.43
1800-1900	0.073	0.178	2.79	1.54	6.35
1900-2000	0.066	0.151	2.64	1.40	5.57
2000-2100	0.056	0.124	2.54	1.29	4.69
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/16/74 Site Number: 10

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.044	0.059	2.93	1.70	2.93
0900-1000	0.054	0.061	2.74	1.48	2.84
1000-1100	0.056	0.058	2.44	1.22	2.74
1100-1200	0.052	0.083	2.35	1.14	2.93
1200-1300	0.056	0.087	2.40	1.14	3.13
1300-1400	0.048	0.084	2.35	1.12	3.03
1400-1500	0.049	0.087	2.35	1.11	3.03
1500-1600	0.050	0.100	2.40	1.19	3.42
1600-1700	0.074	0.146	2.44	1.23	4.20
1700-1800	0.070	0.156	2.40	1.19	4.11
1800-1900	0.056	0.095	2.35	1.13	3.13
1900-2000	0.050	0.081	2.20	0.97	2.93
2000-2100	0.048	0.080	2.25	1.03	2.54
2100-2200	0.056	0.101	2.30	1.05	3.03
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/17/74 Site Number: 1

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.041	0.057	2.44	1.20	3.62
0900-1000	0.034	0.059	2.44	1.23	3.42
1000-1100	0.038	0.062	2.40	1.18	3.32
1100-1200	0.045	0.084	2.44	1.22	3.62
1200-1300	0.036	0.064	2.49	1.25	3.72
1300-1400	0.040	0.083	2.54	1.25	4.01
1400-1500	0.038	0.074	2.44	1.14	4.11
1500-1600	0.046	0.100	2.54	1.27	4.79
1600-1700	0.053	0.137	2.69	1.40	6.16
1700-1800	0.048	0.120	2.64	1.34	5.87
1800-1900	0.041	0.087	2.40	1.14	4.30
1900-2000	0.045	0.085	2.35	1.06	4.30
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/17/74 Site Number: 3

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.035	0.044	2.44	1.19	3.42
0900-1000	0.032	0.039	2.54	1.33	2.64
1000-1100	0.033	0.035	2.49	1.27	2.93
1100-1200	0.034	0.032	2.40	1.18	2.64
1200-1300	0.030	0.031	2.44	1.15	2.74
1300-1400	0.035	0.034	2.30	1.08	2.54
1400-1500	0.032	0.034	2.35	1.06	2.84
1500-1600	0.035	0.045	2.44	1.20	3.13
1600-1700	0.037	0.062	2.59	1.30	3.81
1700-1800	0.040	0.069	2.30	1.03	3.27
1800-1900	0.035	0.041	2.30	1.04	2.64
1900-2000	0.033	0.034	2.30	1.03	2.44
2000-2100	0.035	0.038	2.40	1.12	3.03
2100-2200	0.028	0.027	2.25	0.98	3.23
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/17/74 Site Number: 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100	0.037	0.001	1.85	0.64	1.75
0100-0200	0.033	0.001	1.90	0.68	1.55
0200-0300	0.038	0.001	1.90	0.68	1.55
0300-0400	0.031	0.001	1.90	0.68	1.55
0400-0500	0.032	0.001	1.80	0.59	1.55
0500-0600	0.033	0.001	1.90	0.68	1.55
0600-0700	0.031	0.002	1.95	0.72	1.85
0700-0800	0.042	0.010	2.00	0.77	1.90
0800-0900	0.034	0.018	1.91	0.70	2.44
0900-1000	0.029	0.010	1.86	0.66	2.25
1000-1100	0.029	0.012	1.86	0.62	2.15
1100-1200	0.028	0.010	1.81	0.62	2.25
1200-1300	0.033	0.013	1.96	0.71	2.64
1300-1400	0.030	0.013	1.86	0.61	2.44
1400-1500	0.029	0.012	1.86	0.68	3.13
1500-1600	0.018	0.015	2.05	0.79	2.74
1600-1700	0.045	0.027	2.15	0.89	3.13
1700-1800	0.043	0.027	1.86	0.52	2.74
1800-1900	0.030	0.013	1.86	0.65	2.44
1900-2000	0.026	0.020	2.15	0.87	2.93
2000-2100	0.033	0.015	2.00	0.69	3.23
2100-2200	0.036	0.012	1.96	0.71	2.25
2200-2300	0.057	0.037	2.05	0.83	1.75
2300-2400	0.068	0.028	2.00	0.73	2.50

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/17/74 Site Number: 8

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.037	0.018	2.20		
0900-1000	0.032	0.032	2.15	0.94	2.25
1000-1100	0.035	0.041	2.20	0.99	2.35
1100-1200	0.029	0.038	2.15	0.92	2.54
1200-1300	0.037	0.051	2.30	1.02	3.03
1300-1400	0.037	0.036	2.15	0.89	2.74
1400-1500	0.030	0.033	2.25	0.97	2.84
1500-1600	0.031	0.043	2.25	1.03	2.74
1600-1700	0.033	0.037	2.25	0.97	3.32
1700-1800	0.040	0.054	2.40	1.12	4.69
1800-1900	0.031	0.037	2.25	1.00	2.64
1900-2000	0.037	0.051	2.20	0.92	3.03
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/17/74 Site Number: 9

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.059	0.097	2.54	1.30	4.60
0900-1000	0.049	0.093	2.54	1.30	3.91
1000-1100	0.052	0.112	2.59	1.36	3.91
1100-1200	0.052	0.138	2.69	1.42	4.69
1200-1300	0.052	0.108	2.74	1.56	3.13
1300-1400	0.064	0.129	2.74	1.54	5.18
1400-1500	0.055	0.131	2.69	1.42	5.18
1500-1600	0.064	0.169	2.74	1.44	6.06
1600-1700	0.081	0.233	3.23	1.93	8.41
1700-1800	0.291	0.259	3.23	1.94	9.78
1800-1900	0.069	0.163	2.88	1.55	6.65
1900-2000	0.070	0.176	2.74	1.45	6.55
2000-2100	0.060	0.129	2.69	1.40	5.57
2100-2200	0.055	0.116	2.74	1.43	6.26
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/17/74 Site Number: 10

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.051	0.097	2.64	1.41	3.51
0900-1000	0.043	0.073	2.35	1.13	2.84
1000-1100	0.055	0.076	2.30	1.10	2.74
1100-1200	0.045	0.087	2.44	1.20	3.23
1200-1300	0.044	0.073	2.35	1.13	2.84
1300-1400	0.048	0.100	2.35	1.07	3.42
1400-1500	0.051	0.098	2.40	1.12	3.13
1500-1600	0.052	0.107	2.40	1.15	3.81
1600-1700	0.074	0.179	2.59	1.31	5.18
1700-1800	0.098	0.285	2.98	1.68	7.72
1800-1900			2.74	1.41	5.38
1900-2000	0.063	0.151	2.59	1.30	4.89
2000-2100	0.062	0.149	2.54	1.25	4.50
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/18/74 **Site Number:** 1

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.071	0.206	3.57	2.02	6.26
0900-1000	0.051	0.134	2.84	1.51	3.32
1000-1100	0.040	0.087	2.54	1.24	2.93
1100-1200	0.035	0.083	2.69	1.39	4.89
1200-1300	0.034	0.077	2.59	1.28	2.74
1300-1400	0.030	0.065	2.49	1.22	2.74
1400-1500	0.042	0.068	2.44	1.17	2.35
1500-1600	0.021	0.027	2.44	1.17	2.35
1600-1700	0.023	0.018	2.49	1.23	2.44
1700-1800	0.023	0.013	2.35	1.08	2.44
1800-1900	0.027	0.019	2.44	1.19	2.25
1900-2000	0.020	0.015	2.39	1.11	2.64
2000-2100	0.057	0.062	2.49	1.22	2.74
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/18/74 Site Number: 3

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.080	0.225	4.25	2.71	9.68
0900-1000	0.051	0.131	2.98	1.64	3.81
1000-1100	0.046	0.088	2.79	1.48	3.72
1100-1200	0.048	0.098	2.74	1.43	3.81
1200-1300	0.046	0.087	2.79	1.49	2.84
1300-1400	0.076	0.159	2.88	1.56	5.08
1400-1500	0.047	0.073	2.64	1.38	2.74
1500-1600	0.035	0.029	2.54	1.27	3.22
1600-1700	0.028	0.018	2.40	1.14	2.54
1700-1800	0.034	0.015	2.59	1.33	2.44
1800-1900	0.032	0.023	3.08	1.81	3.32
1900-2000	0.031	0.023	3.03	1.75	3.72
2000-2100	0.035	0.034	3.06	1.80	3.91
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/18/74 **Site Number:** 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100	0.064	0.030	2.00	0.76	2.00
0100-0200	0.076	0.031	2.25	0.85	1.95
0200-0300	0.077	0.029	2.05	0.75	1.75
0300-0400	0.083	0.058	2.55	0.95	2.00
0400-0500	0.106	0.118	2.40	0.95	2.05
0500-0600	0.100	0.098	2.50	1.08	2.25
0600-0700	0.132	0.192	2.90	1.25	3.75
0700-0800	0.202	0.486	4.30	2.44	8.60
0800-0900	0.062	0.140	2.30	0.98	3.62
0900-1000	0.057	0.076	2.54	1.24	5.28
1000-1100	0.056	0.063	2.15	0.86	3.03
1100-1200	0.073	0.092	2.25	0.95	4.89
1200-1300	0.148	0.082	2.25	0.97	3.81
1300-1400	0.024	0.178	2.35	1.07	3.91
1400-1500	0.178	0.079	2.40	1.12	5.28
1500-1600	0.019	0.140	2.54	1.27	4.20
1600-1700	0.004	0.177	2.64	1.38	5.57
1700-1800	0.064	0.109	2.05	0.78	5.28
1800-1900	0.071	0.110	5.81	1.54	6.26
1900-2000	0.110	0.43	3.03	1.77	5.86
2000-2100	0.063	0.056	5.67	4.41	4.89
2100-2200					
2200-2300	0.116	0.143	2.75	1.49	3.40
2300-2400	0.109	0.102	2.50	1.14	2.50

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/18/74 Site Number: 8

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.093	0.265	3.57	2.01	6.55
0900-1000	0.062	0.164	3.13	1.79	3.91
1000-1100	0.033	0.056	2.49	1.18	2.74
1100-1200	0.033	0.071	2.59	1.29	3.81
1200-1300	0.049	0.123	2.69	1.38	3.32
1300-1400	0.048	0.126	2.59	1.29	4.01
1400-1500	0.076	0.179	2.88	1.60	5.57
1500-1600	0.063	0.180	2.79	1.52	5.28
1600-1700	0.069	0.214	2.88	1.61	5.87
1700-1800	0.070	0.190	2.87	1.59	6.34
1800-1900	0.081	0.225	3.03	1.77	6.65
1900-2000	0.081	0.219	3.13	1.87	5.87
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/18/74 **Site Number:** 9

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.095	0.271	3.72	2.22	7.23
0900-1000	0.066	0.171	2.93	1.57	4.30
1000-1100	0.058	0.134	2.79	1.46	3.91
1100-1200	0.056	0.143	2.98	1.68	4.69
1200-1300	0.048	0.117	3.08	1.75	5.77
1300-1400	0.047	0.104	2.93	1.61	4.69
1400-1500	0.049	0.083	2.69	1.42	3.03
1500-1600	0.037	0.058	2.69	1.41	3.52
1600-1700	0.032	0.042	2.54	1.27	2.93
1700-1800	0.035	0.034	2.49	1.23	3.23
1800-1900	0.033	0.027	2.44	1.17	2.44
1900-2000	0.032	0.023	2.49	1.22	2.35
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/18/74 Site Number: 10

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.085	0.287	3.81	2.28	7.04
0900-1000	0.062	0.168	3.03	1.66	4.50
1000-1100	0.056	0.124	2.74	1.41	4.50
1100-1200	0.053	0.132	2.84	1.53	4.69
1200-1300	0.050	0.119	2.84	1.51	4.50
1300-1400	0.048	0.101	2.74	1.46	3.81
1400-1500			2.54	1.26	2.84
1500-1600	0.034	0.049	2.59	1.31	3.62
1600-1700	0.037	0.056	2.79	1.49	5.96
1700-1800	0.038	0.028	2.49	1.22	3.03
1800-1900	0.038	0.048	2.64	1.37	3.72
1900-2000	0.034	0.032	2.59	1.32	2.84
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/19/74 Site Number: 1

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.043	0.095	2.88	1.48	3.72
0900-1000	0.037	0.062	2.44	1.18	3.22
1000-1100			2.25	1.02	2.73
1100-1200	0.038	0.076	2.59	1.31	3.13
1200-1300	0.054	0.073	2.74	1.50	3.52
1300-1400	0.046	0.093	2.98	1.71	4.11
1400-1500	0.057	0.116	3.08	1.74	4.20
1500-1600	0.056	0.121	3.08	1.69	4.60
1600-1700	0.064	0.168	3.18	1.86	6.26
1700-1800	0.088	0.273	4.35	2.88	8.11
1800-1900	0.101	0.284	3.67	2.25	7.92
1900-2000	0.119	0.368	4.89	2.96	9.87
2000-2100	0.124	0.367	5.13	3.21	9.29
2100-2200	0.113	0.360	5.28	3.25	9.58
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/19/74 Site Number: 3

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.037	0.055	2.69	1.42	4.01
0900-1000	0.034	0.034	2.93	1.70	2.54
1000-1100			2.33	1.08	2.55
1100-1200	0.040	0.038	2.44	1.18	2.74
1200-1300	0.040	0.043	2.49	1.26	2.64
1300-1400	0.039	0.044	2.64	1.37	2.74
1400-1500	0.046	0.062	2.64	1.37	3.13
1500-1600	0.054	0.101	3.13	1.75	4.60
1600-1700	0.076	0.183	3.08	1.80	5.87
1700-1800	0.094	0.251	3.86	2.36	8.02
1800-1900	0.106	0.292	3.72	2.31	7.82
1900-2000	0.120	0.340	6.40	3.80	9.48
2000-2100	0.116	0.312	8.02	5.00	11.44
2100-2200	0.102	0.249	5.57	3.58	9.39
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/19/74 Site Number: 7

	Time	NO_2	NO	THC	NMHC	CO
	0000-0100	0.064	0.018	2.05	0.77	1.90
	0100-0200	0.050	0.002	1.95	0.74	1.60
	0200-0300	0.038	0.001	1.95	0.75	1.60
	0300-0400	0.030	0.001	1.90	0.68	1.55
	0400-0500	0.033	0.002	1.90	0.69	1.50
	0500-0600	0.045	0.004	1.95	0.70	1.60
	0600-0700	0.056	0.033	2.25	0.90	2.15
	0700-0800	0.080	0.084	2.25	1.02	2.90
	0800-0900					
	0900-1000	0.035	0.023	2.05	0.78	2.35
	1000-1100	0.037	0.021	1.91	0.58	2.74
	1100-1200			2.23	0.96	1.90
	1200-1300	0.030	0.020	2.10	0.87	2.72
	1300-1400	0.063	0.015	1.95	0.70	3.03
	1400-1500	0.005	0.049	2.05	0.79	3.81
	1500-1600	0.079	0.050	2.25	0.92	2.64
	1600-1700	0.058	0.076	2.25	0.97	3.13
	1700-1800	0.111	0.164	3.03	1.71	6.16
	1800-1900	0.055 0.054	0.233 0.117	4.35 3.08	2.95 1.64	6.55 5.96
7:00 7:13 7:50	1900-2000	0.102 0.066 0.112	0.184 0.190 0.372	3.52 2.74 4.94	2.12 1.40 3.14	5.87 5.48 9.58
8:05 8:15 8:55	2000-2100	0.195 0.171 0.214	0.353 0.518 0.394	4.60 4.94 5.08	2.84 3.10 3.00	9.78 10.17 10.26
9:07 9:17 9:45	2100-2200	0.223 0.195 0.144	0.339 0.327 0.342	4.64 4.45 4.84	2.92 2.81 3.06	9.09 9.78 9.97
10:11	2200-2300	0.129 0.153	0.184 0.131	3.67 2.50	2.10 1.19	8.11 2.50
	2300-2400	0.118	0.165	2.30	1.00	3.05

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/19/74 Site Number: 8

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.034	0.032	2.49	1.13	2.35
0900-1000	0.036	0.040	2.44	1.15	2.35
1000-1100			2.58	1.33	2.33
1100-1200	0.040	0.048	2.83	1.56	3.13
1200-1300	0.043	0.053	2.54	1.30	3.03
1300-1400	0.041	0.056	2.64	1.39	2.74
1400-1500	0.046	0.078	2.93	1.63	4.01
1500-1600	0.054	0.079	2.93	1.54	4.20
1600-1700	0.060	0.112	2.88	1.60	5.18
1700-1800	0.088	0.216	3.62	2.16	8.99
1800-1900	0.087	0.214	3.67	2.25	8.41
1900-2000	0.122	0.329	4.06	2.61	11.05
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/19/74 Site Number: 9

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.065	0.140	2.93	1.44	4.30
0900-1000	0.048	0.095	2.59	1.33	3.72
1000-1100			2.80	1.57	3.88
1100-1200	0.057	0.109	2.84	1.57	4.01
1200-1300	0.057	0.112	2.93	1.69	4.60
1300-1400	0.063	0.137	3.18	1.92	5.28
1400-1500	0.074	0.165	3.47	2.19	5.57
1500-1600	0.086	0.193	3.42	2.02	5.77
1600-1700	0.106	0.267	3.47	2.18	8.21
1700-1800	0.135	0.389	4.20	2.70	11.63
1800-1900	0.137	0.386	4.20	2.78	11.24
1900-2000	0.129	0.380	5.04	3.07	10.26
2000-2100	0.131	0.397	5.28	3.32	10.66
2100-2200	0.154	0.464	6.11	3.87	13.20
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/19/74 Site Number: 10

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.075	0.166	3.18	2.81	4.99
0900-1000	0.056	0.097	2.88	1.62	2.81
1000-1100			2.93	1.69	3.45
1100-1200	0.071	0.154	3.13	1.81	4.50
1200-1300	0.063	0.127	3.03	1.76	4.40
1300-1400	0.073	0.146	3.13	1.86	5.28
1400-1500	0.102	0.195	3.28	1.98	5.87
1500-1600	0.136	0.294	3.67	1.28	7.82
1600-1700	0.165	0.439	4.01	2.69	12.02
1700-1800	0.162	0.456	4.30	2.79	12.61
1800-1900	0.141	0.418	4.11	2.63	11.44
1900-2000	0.151	0.444	5.96	3.56	10.95
2000-2100	0.165	0.476	6.01	3.83	11.44
2100-2200	0.159	0.450	5.72	3.60	11.54
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/20/74 **Site Number:** 1

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.020	0.050	2.49	1.21	3.03
0900-1000	0.031	0.045	2.54	1.29	2.64
1000-1100	0.034	0.035	2.69	1.41	2.44
1100-1200	0.031	0.031	2.74	1.45	2.35
1200-1300	0.031	0.028	3.08	1.84	2.35
1300-1400	0.030	0.018	2.74	1.58	1.96
1400-1500	0.028	0.017	2.59	1.38	2.35
1500-1600	0.024	0.016	2.49	1.27	2.64
1600-1700	0.023	0.015	2.40	1.16	2.44
1700-1800	0.026	0.014	2.35	1.12	2.44
1800-1900	0.022	0.011	2.35	1.09	2.44
1900-2000	0.029	0.027	2.44	1.19	2.64
2000-2100	0.027	0.024	2.35	1.09	2.44
2100-2200	0.030	0.041	2.44	1.17	2.74
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/20/74 Site Number: 3

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.039	0.057	2.59	1.29	3.11
0900-1000	0.043	0.041	2.49	1.22	2.35
1000-1100	0.069	0.076	2.44	1.18	3.91
1100-1200	0.046	0.032	2.59	1.41	2.25
1200-1300	0.044	0.024	2.93	1.67	2.25
1300-1400	0.038	0.015	2.59	1.32	2.93
1400-1500	0.067	0.085	2.98	1.77	4.69
1500-1600	0.034	0.014	2.30	1.10	1.86
1600-1700	0.033	0.015	2.35	1.12	2.44
1700-1800	0.030	0.012	2.30	1.04	2.15
1800-1900	0.034	0.013	3.57	2.32	2.54
1900-2000	0.043	0.033	2.88	1.65	2.44
2000-2100	0.037	0.039	3.23	1.95	3.91
2100-2200	0.051	0.079	3.67	2.47	3.52
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/20/74 Site Number: 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100	0.116	0.131	2.30	1.00	2.85
0100-0200	0.092	0.039	2.10	0.82	2.00
0200-0300	0.076	0.025	2.10	0.82	1.80
0300-0400	0.068	0.013	2.10	0.82	1.75
0400-0500	0.058	0.012	2.00	0.73	1.65
0500-0600	0.053	0.012	2.05	0.78	1.60
0600-0700	0.060	0.028	2.05	0.78	1.55
0700-0800	0.081	0.083	2.25	1.00	3.00
0800-0900		0.029	2.20	0.95	2.64
0900-1000	0.080	0.027	2.10	0.84	3.81
1000-1100	0.025	0.040	2.30	1.03	5.38
1100-1200	0.060	0.053	2.49	1.24	2.54
1200-1300	0.093	0.036	2.05	0.70	6.45
1300-1400	0.057	0.027	3.13	1.86	2.54
1400-1500	0.028	0.034	2.50	1.22	2.93
1500-1600	0.078	0.077	2.50	1.04	3.96
1600-1700	0.063	0.088	2.22	0.99	4.24
1700-1800	0.045	0.124	2.52	1.27	4.11
1800-1900	0.090	0.060	2.40	1.16	3.26
1900-2000	0.106	0.089	2.28	1.03	3.91
2000-2100	0.079	0.139	2.53	1.25	3.72
2100-2200	0.115	0.090	2.59	1.31	4.59
2200-2300	0.077	0.086	2.69	1.35	5.28
2300-2400	0.142	0.197	2.69	1.25	3.20

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/20/74 **Site Number:** 8

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.057	0.124	2.64	1.34	4.59
0900-1000	0.065	0.102	2.88	1.56	4.60
1000-1100	0.066	0.134	2.79	1.52	4.40
1100-1200	0.099	0.167	2.93	1.66	4.89
1200-1300	0.068	0.164	2.88	1.65	4.60
1300-1400	0.063	0.144	2.84	1.57	4.69
1400-1500	0.063	0.163	2.74	1.48	4.60
1500-1600	0.071	0.190	2.88	1.56	5.48
1600-1700			3.42	2.12	9.29
1700-1800	0.078	0.198	2.93	1.66	6.16
1800-1900	0.066	0.178	2.93	1.66	6.35
1900-2000	0.075	0.192	3.13	1.84	7.92
2000-2100	0.081	0.215	3.13	1.87	7.43
2100-2200	0.076	0.192	3.91	2.59	10.66
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/20/74 **Site Number:** 9

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.040	0.074	2.74	1.46	3.27
0900-1000	0.046	0.059	2.64	1.35	3.72
1000-1100	0.051	0.059	2.84	1.56	3.91
1100-1200	0.039	0.048	2.74	1.47	3.03
1200-1300	0.039	0.043	3.13	1.85	2.64
1300-1400	0.046	0.041	2.84	1.62	2.35
1400-1500	0.038	0.031	2.64	1.46	2.35
1500-1600	0.035	0.040	2.69	1.56	3.32
1600-1700	0.039	0.032	2.59	1.32	3.13
1700-1800	0.036	0.031	2.49	1.23	3.03
1800-1900	0.029	0.023	2.49	1.24	2.35
1900-2000	0.041	0.058	2.64	1.40	3.03
2000-2100	0.034	0.041	2.54	1.29	2.74
2100-2200	0.043	0.052	2.64	1.38	2.93
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/20/74 Site Number: 10

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.040	0.071	2.74	1.46	3.12
0900-1000	0.054	0.081	2.79	1.50	3.03
1000-1100	0.057	0.063	2.84	1.56	2.74
1100-1200	0.048	0.059	2.79	1.51	3.52
1200-1300	0.050	0.042	2.74	1.51	2.44
1300-1400	0.059	0.036	2.64	1.38	2.35
1400-1500	0.050	0.027	2.59	1.38	2.25
1500-1600	0.043	0.039	2.49	1.25	2.64
1600-1700	0.045	0.042	2.49	1.21	3.42
1700-1800	0.044	0.051	2.49	1.22	3.32
1800-1900	0.047	0.059	2.49	1.26	2.84
1900-2000	0.044	0.057	2.49	1.26	2.74
2000-2100	0.044	0.063	2.54	1.27	3.13
2100-2200	0.046	0.074	2.64	1.36	3.81
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/21/74 Site Number: 1

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.021	0.031	2.35	1.05	3.42
0900-1000	0.029	0.036	2.54	1.24	3.13
1000-1100	0.032	0.051	2.64	1.35	3.52
1100-1200	0.038	0.088	2.69	1.41	4.30
1200-1300	0.041	0.110	2.74	1.44	4.60
1300-1400	0.041	0.093	2.79	1.50	4.79
1400-1500	0.044	0.097	2.84	1.44	2.64
1500-1600	0.043	0.107	2.93	1.64	5.18
1600-1700	0.051	0.127	2.93	1.64	5.96
1700-1800	0.059	0.143	2.79	1.51	5.67
1800-1900	0.057	0.154	2.93	1.68	5.77
1900-2000	0.052	0.131	2.84	1.55	4.60
2000-2100	0.072	0.211	3.81	2.23	6.45
2100-2200	0.081	0.241	3.91	2.31	7.43
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/21/74 Site Number: 3

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.023	0.029	2.44	1.17	2.93
0900-1000	0.034	0.030	2.54	1.25	2.74
1000-1100	0.036	0.045	2.69	1.41	3.03
1100-1200	0.040	0.074	3.18	1.88	4.50
1200-1300	0.043	0.057	3.32	2.05	3.52
1300-1400	0.046	0.056	3.13	1.83	4.11
1400-1500	0.004	0.066	2.84	1.59	4.00
1500-1600	0.044	0.058	2.49	1.25	3.03
1600-1700	0.058	0.112	2.84	1.56	4.30
1700-1800	0.063	0.154	2.98	1.72	5.77
1800-1900					
1900-2000	0.061	0.160	3.08	1.77	4.99
2000-2100	0.093	0.254	4.06	2.38	7.04
2100-2200	0.124	0.258	4.30	2.57	7.14
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/21/74 **Site Number:** 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100	0.111	0.092	2.20	0.93	2.20
0100-0200	0.094	0.045	2.05	0.80	2.10
0200-0300	0.075	0.014	2.00	0.78	1.70
0300-0400	0.068	0.004	2.00	0.78	1.70
0400-0500	0.089	0.025	2.25	0.98	2.20
0500-0600	0.101	0.047	2.25	0.95	2.06
0600-0700	0.087	0.025	2.15	0.85	2.00
0700-0800	0.079	0.017	2.20	0.92	2.10
0800-0900	0.035	0.003	2.18	0.89	2.25
0900-1000	0.035	0.012	3.89	2.61	2.06
1000-1100	0.027	0.019	2.72	1.44	2.16
1100-1200	0.063	0.018	2.05	0.78	2.11
1200-1300	0.023	0.021	2.08	0.88	2.15
1300-1400	0.038	0.016	2.20	0.90	2.35
1400-1500	0.055	0.014	2.20	0.92	2.11
1500-1600	0.027	0.019	1.96	0.73	2.15
1600-1700	0.025	0.040	2.35	1.11	3.13
1700-1800	0.076	0.060	2.30	0.98	3.26
1800-1900	0.087	0.064	2.26	1.03	3.26
1900-2000	0.054	0.075	2.35	1.11	3.36
2000-2100	0.100	0.269	3.22	1.93	4.88
2100-2200	0.035	0.209	2.87	1.42	5.02
2200-2300	0.113	0.255	3.45	1.93	7.36
2300-2400			5.05	3.10	10.0

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/21/74 Site Number: 8

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.022	0.023	2.35	1.07	2.35
0900-1000	0.029	0.034	2.49	1.17	2.44
1000-1100	0.039	0.060	2.93	1.64	3.32
1100-1200	0.044	0.084	2.64	1.35	4.01
1200-1300	0.048	0.103	2.69	1.39	4.69
1300-1400	0.048	0.090	2.69	1.39	5.08
1400-1500	0.048	0.105	2.84	1.54	5.57
1500-1600	0.048	0.108	2.88	1.60	6.28
1600-1700	0.054	0.125	2.93	1.63	6.65
1700-1800	0.062	0.158	3.23	2.02	8.60
1800-1900	0.059	0.149	3.13	1.84	5.77
1900-2000	0.082	0.209	3.42	2.12	7.23
2000-2100	0.121	0.361	4.20	2.77	11.44
2100-2200	0.093	0.246	4.30	2.64	12.51
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/21/74 Site Number: 9

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.034	0.054	2.49	1.19	3.13
0900-1000	0.041	0.065	2.69	1.39	3.52
1000-1100	0.052	0.098	2.88	1.58	4.11
1100-1200	0.065	0.150	2.93	1.65	5.28
1200-1300	0.073	0.181	3.03	1.71	6.26
1300-1400	0.076	0.189	3.08	1.78	6.75
1400-1500	0.075	0.182	3.28	1.96	8.11
1500-1600	0.045	0.043	2.49	1.26	2.64
1600-1700	0.089	0.232	3.37	2.07	8.60
1700-1800	0.083	0.238	3.32	2.01	8.60
1800-1900	0.085	0.240	3.42	2.13	8.51
1900-2000	0.081	0.203	3.37	2.07	6.16
2000-2100	0.078	0.203	3.72	2.15	6.65
2100-2200	0.108	0.307	4.25	2.64	10.07
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/21/74 Site Number: 10

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.038	0.053	2.74	1.44	2.74
0900-1000	0.043	0.057	2.69	1.39	3.0
1000-1100	0.055	0.097	2.79	1.49	3.52
1100-1200	0.062	0.138	2.69	1.41	3.81
1200-1300	0.068	0.160	2.74	1.46	4.30
1300-1400	0.064	0.142	2.59	1.31	3.91
1400-1500	0.070	0.154	2.74	1.34	4.99
1500-1600	0.060	0.143	2.64	1.37	4.50
1600-1700	0.082	0.168	2.69	1.43	4.60
1700-1800	0.092	0.256	2.93	1.68	6.28
1800-1900	0.087	0.259	2.93	1.66	6.26
1900-2000	0.100	0.268	3.13	1.87	5.77
2000-2100	0.083	0.215	3.57	1.99	6.26
2100-2200	0.130	0.378	4.30	2.68	10.56
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/22/74 **Site Number:** 1

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100					
1100-1200			2.49	1.25	2.25
1200-1300			2.69	1.40	2.54
1300-1400			2.74	1.43	2.64
1400-1500			3.03	1.82	2.74
1500-1600			2.98	1.70	2.35
1600-1700			2.79	1.52	2.74
1700-1800			2.64	1.32	3.03
1800-1900			2.54	1.23	2.35
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/22/74 Site Number: 3

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100					
1100-1200			3.86	2.55	2.64
1200-1300			2.54	1.27	2.74
1300-1400			2.84	1.60	3.72
1400-1500			2.69	1.40	3.42
1500-1600			2.74	1.46	3.42
1600-1700			2.64	1.33	3.81
1700-1800			2.64	1.34	3.81
1800-1900			2.69	1.39	3.91
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/22/74 Site Number: 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100			5.30	3.34	11.0
0100-0200			5.00	3.10	8.25
0200-0300			2.90	1.46	4.00
0300-0400			2.40	1.02	2.00
0400-0500			2.30	0.94	2.10
0500-0600			2.15	0.87	1.65
0600-0700			2.00	0.76	1.60
0700-0800			2.00	0.78	1.60
0800-0900			2.05	0.83	1.65
0900-1000			2.07	0.85	1.75
1000-1100			2.05	0.83	2.50
1100-1200			2.22	0.96	2.67
1200-1300			2.30	1.04	2.64
1300-1400			2.10	0.85	2.49
1400-1500			2.04	0.71	3.13
1500-1600			2.26	1.00	2.87
1600-1700			2.51	1.28	3.81
1700-1800			2.30	0.98	2.94
1800-1900			2.36	1.06	4.20
1900-2000			2.36	0.99	2.35
2000-2100			3.60	2.26	2.31
2100-2200			3.60	1.26	2.24
2200-2300			3.53	2.20	1.97
2300-2400			3.48	2.18	1.78

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/22/74 Site Number: 8

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100					
1100-1200			2.49	1.22	3.03
1200-1300					
1300-1400			2.49	1.27	2.93
1400-1500			3.08	1.78	6.06
1500-1600			3.28	1.96	7.14
1600-1700			3.18	1.86	7.23
1700-1800			3.03	1.72	6.16
1800-1900			3.47	2.10	10.17
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/22/74 Site Number: 9

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100					
1100-1200			2.49	1.29	3.32
1200-1300			2.64	1.41	2.74
1300-1400			2.86	1.57	3.23
1400-1500			3.08	1.77	3.72
1500-1600			3.03	1.77	3.03
1600-1700			2.88	1.59	3.62
1700-1800			2.79	1.49	3.72
1800-1900			2.84	1.54	4.69
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/22/74 Site Number: 10

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100					
1100-1200			2.54	1.29	2.9
1200-1300			2.69	1.43	3.5
1300-1400			2.79	1.54	4.9
1400-1500			2.93	1.67	4.9
1500-1600			2.88	1.58	4.7
1600-1700			2.84	1.57	4.9
1700-1800			3.03	1.71	5.7
1800-1900			3.13	1.81	6.5
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/23/74 **Site Number:** 1

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.102	0.135	4.84	3.44	8.11
0900-1000	0.098	0.114	3.57	2.07	5.52
1000-1100	0.082	0.086	3.28	1.88	5.08
1100-1200	0.047	0.032	3.81	1.51	2.93
1200-1300	0.194	0.077	2.84	1.58	3.21
1300-1400	0.034	0.020	2.59	1.34	2.74
1400-1500	0.038	0.026	2.64	1.36	2.84
1500-1600	0.035	0.029	2.54	1.27	3.03
1600-1700	0.034	0.022	2.35	1.09	2.64
1700-1800	0.027	0.012	2.25	1.00	2.15
1800-1900	0.026	0.007	2.30	1.07	2.64
1900-2000	0.029	0.009	2.20	1.02	2.15
2000-2100	0.024	0.005	2.35	1.17	2.25
2100-2200	0.027	0.007	2.20	0.97	2.35
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/23/74 Site Number: 3

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.106	0.130	4.69	2.57	6.65
0900-1000	0.095	0.088	3.67	2.18	4.79
1000-1100	0.090	0.085	3.32	1.95	4.99
1100-1200	0.052	0.035	2.93	1.61	3.13
1200-1300	0.057	0.029	2.59	1.23	2.74
1300-1400	0.051	0.030	2.79	1.50	2.44
1400-1500	0.060	0.034	2.84	1.42	2.74
1500-1600	0.054	0.030	2.44	1.13	2.44
1600-1700	0.049	0.022	2.40	1.10	2.44
1700-1800	0.041	0.015	2.15	0.94	2.05
1800-1900	0.041	0.015	2.64	1.36	2.54
1900-2000	0.035	0.010	2.40	1.18	1.76
2000-2100	0.034	0.012	2.64	1.40	3.81
2100-2200	0.034	0.018	2.93	1.69	3.03
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/23/74 Site Number: 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100			3.17	1.71	2.02
0100-0200			2.23	0.93	1.98
0200-0300			2.58	1.18	2.07
0300-0400			3.51	1.73	2.35
0400-0500			4.13	2.09	2.47
0500-0600			3.06	1.51	2.52
0600-0700			3.12	1.44	3.15
0700-0800			4.28	2.46	12.32
0800-0900	0.101	0.117	3.52	1.86	8.02
0900-1000	0.074	0.077	2.91	1.44	4.69
1000-1100	0.052	0.058	2.76	1.44	3.52
1100-1200	0.117	0.065	2.35	1.04	2.62
1200-1300	0.087	0.087	2.79	1.59	3.81
1300-1400	0.144	0.077	2.84	1.55	8.21
1400-1500	0.118	0.073	2.70	1.42	3.94
1500-1600	0.119	0.092	2.96	1.63	6.85
1600-1700	0.207	0.041	2.47	1.17	3.33
1700-1800	0.097	0.065	2.72	1.34	4.40
1800-1900	0.072	0.049	2.18	0.96	2.25
1900-2000	0.082	0.036	1.98	0.73	2.25
2000-2100	0.046	0.045	1.96	0.76	3.43
2100-2200	0.061	0.011	2.15	0.93	2.69
2200-2300	0.064	0.019	2.25	1.02	2.74
2300-2400	0.060	0.031	2.24	0.98	3.92

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/23/74 Site Number: 8

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.212	0.284	5.08	3.15	11.1
0900-1000	0.124	0.128	3.72	2.25	6.16
1000-1100	0.125	0.127	3.52	2.13	6.35
1100-1200	0.159	0.186	3.96	2.58	9.97
1200-1300	0.199	0.237	3.81	2.52	10.75
1300-1400	0.164	0.188	3.67	2.37	9.39
1400-1500	0.177	0.201	3.86	2.49	10.66
1500-1600	0.177	0.195	3.52	2.20	9.29
1600-1700	0.168	0.181	3.37	2.07	8.99
1700-1800	0.148	0.152	3.08	1.79	7.43
1800-1900	0.111	0.112	3.13	1.76	5.87
1900-2000	0.103	0.104	2.74	1.46	5.77
2000-2100	0.087	0.082	2.59	1.34	4.69
2100-2200	0.082	0.073	2.49	1.23	4.30
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/23/74 Site Number: 9

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.140	0.167	5.13	3.14	9.09
0900-1000	0.126	0.140	3.72	2.20	5.96
1000-1100	0.135	0.142	3.76	2.33	7.04
1100-1200	0.068	0.060	3.18	1.87	4.40
1200-1300	0.073	0.059	3.08	1.80	4.01
1300-1400	0.063	0.054	2.84	1.61	3.23
1400-1500	0.068	0.054	2.79	1.49	3.62
1500-1600	0.056	0.040	2.54	1.25	2.84
1600-1700	0.054	0.037	2.44	1.18	2.74
1700-1800	0.046	0.027	2.40	1.13	3.03
1800-1900	0.036	0.017	2.25	1.05	1.86
1900-2000	0.033	0.010	2.25	1.00	2.15
2000-2100	0.037	0.012	2.20	0.97	2.35
2100-2200	0.034	0.013	2.25	1.03	2.25
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/23/74 Site Number: 10

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.144	0.180	4.64	2.69	8.31
0900-1000	0.160	0.157	3.76	2.25	5.87
1000-1100	0.137	0.138	3.47	2.08	5.89
1100-1200	0.115	0.107	3.18	1.85	4.30
1200-1300	0.080	0.074	2.93	1.68	3.91
1300-1400	0.086	0.075	2.79	1.52	3.48
1400-1500	0.096	0.093	2.84	1.54	3.32
1500-1600	0.092	0.086	2.74	1.45	3.03
1600-1700	0.080	0.061	2.59	1.31	3.03
1700-1800	0.073	0.059	2.59	1.32	3.72
1800-1900	0.087	0.071	2.49	1.20	2.84
1900-2000	0.048	0.027	2.35	1.08	2.35
2000-2100	0.046	0.024	2.25	1.01	2.44
2100-2200	0.062	0.046	2.25	1.02	2.93
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/24/74 Site Number: 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100	0.052	0.020	2.28	1.00	4.36
0100-0200	0.031	0.010	2.27	0.97	4.04
0200-0300	0.048	0.031	2.25	0.98	3.91
0300-0400	0.056	0.010	2.24	0.97	3.81
0400-0500	0.040	0.012	2.26	0.97	3.97
0500-0600	0.023	0.014	2.23	0.97	3.67
0600-0700	0.024	0.009	2.25	1.00	3.81
0700-0800	0.030	0.012	2.28	1.02	4.32
0800-0900	0.050	0.021	2.27	1.02	4.26
0900-1000	0.036	0.018	2.28	1.02	4.18
1000-1100	0.027	0.014	2.27	0.98	4.22
1100-1200	0.030	0.011	2.24	0.96	3.92
1200-1300	0.057	0.020	2.30	1.01	4.45
1300-1400	0.062	0.029	2.36	1.06	4.35
1400-1500	0.060	0.023	2.32	1.01	4.40
1500-1600	0.056	0.021	2.33	1.02	4.43
1600-1700	0.050	0.032	2.29	0.99	4.47
1700-1800	0.057	0.035	2.30	1.02	4.36
1800-1900	0.032	0.012	2.28	0.98	3.96
1900-2000	0.031	0.015	2.25	0.98	2.54
2000-2100	0.030	0.011	2.26	1.03	2.43
2100-2200	0.027	0.005	2.24	1.00	1.98
2200-2300	0.025	0.004	2.25	1.01	1.76
2300-2400	0.020	0.004	2.26	1.03	1.85

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/25/74 Site Number: 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100	0.018	0.004	2.23	1.03	1.77
0100-0200	0.016	0.006	2.24	1.02	1.39
0200-0300	0.017	0.007	2.20	0.99	1.71
0300-0400	0.029	0.005	2.26	1.02	1.59
0400-0500	0.023	0.010	2.25	1.02	1.63
0500-0600	0.027	0.018	2.26	1.04	1.54
0600-0700	0.023	0.015	2.27	1.02	1.63
0700-0800	0.027	0.010	2.23	1.01	1.65
0800-0900	0.024	0.007	2.27	1.04	1.50
0900-1000	0.021	0.009	2.24	1.03	1.46
1000-1100	0.026	0.007	2.23	1.01	1.45
1100-1200	0.028	0.014	2.25	1.02	1.53
1200-1300	0.023	0.005	2.28	1.05	1.74
1300-1400	0.027	0.006	2.26	1.05	1.57
1400-1500	0.026	0.005	2.24	1.01	1.49
1500-1600	0.027	0.007	2.26	1.03	1.75
1600-1700	0.034	0.008	2.23	0.99	1.48
1700-1800	0.077	0.013	2.27	1.04	1.75
1800-1900	0.095	0.029	2.28	1.04	2.36
1900-2000					
2000-2100	0.073	0.043	2.27	1.01	2.19
2100-2200	0.054	0.020	2.35	1.08	2.21
2200-2300	0.047	0.015			
2300-2400	0.041	0.010			

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/26/74 Site Number: 1

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.077	0.085	2.30	0.94	2.54
0900-1000	0.089	0.092	2.25	0.87	2.35
1000-1100	0.144	0.157	2.20	0.84	1.96
1100-1200	0.096	0.103	2.20	0.90	2.35
1200-1300	0.084	0.092	2.25	0.96	2.64
1300-1400	0.082	0.081	2.15	0.88	2.44
1400-1500	0.090	0.084	2.30	1.03	2.64
1500-1600	0.079	0.082	2.20	0.83	2.44
1600-1700	0.101	0.163	2.49	1.18	7.63
1700-1800	0.127	0.143	2.30	0.96	3.03
1800-1900	0.068	0.070	2.10	0.75	2.35
1900-2000	0.070	0.073	2.15	0.82	1.96
2000-2100	0.087	0.082	2.15	0.80	1.86
2100-2200	0.060	0.054	2.10	0.77	2.35
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/26/74 Site Number: 3

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.077	0.077	2.25	0.92	2.44
0900-1000	0.097	0.110	2.30	0.92	2.35
1000-1100	0.165	0.183	2.40	1.05	3.23
1100-1200	0.121	0.134	2.35	1.03	3.81
1200-1300	0.145	0.138	2.54	1.24	5.18
1300-1400	0.135	0.125	2.88	1.60	4.30
1400-1500	0.130	0.114	2.35	1.08	3.91
1500-1600	0.132	0.115	2.40	1.12	3.91
1600-1700	0.159	0.149	2.44	1.14	4.40
1700-1800	0.146	0.136	2.35	1.01	3.81
1800-1900	0.109	0.098	2.30	0.95	2.74
1900-2000	0.119	0.111	2.35	1.01	3.03
2000-2100	0.120	0.119	2.30	0.96	2.64
2100-2200	0.176	0.078	2.40	1.03	4.01
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/26/74 Site Number: 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100	0.030	0.007			
0100-0200	0.035	0.005			
0200-0300	0.032	0.004			
0300-0400	0.036	0.006			
0400-0500	0.031	0.005			
0500-0600	0.038	0.006			
0600-0700	0.042	0.012			
0700-0800	0.047	0.021			
0800-0900	0.049	0.108	2.15	0.75	1.86
0900-1000	0.161	0.127	2.18	0.76	1.56
1000-1100	0.195	0.152	2.05	0.66	2.59
1100-1200	0.139	0.118	2.23	0.83	3.33
1200-1300	0.044	0.154	2.33	1.04	4.16
1300-1400	0.131	0.094	2.64	1.36	3.17
1400-1500	0.132	0.065	2.35	1.05	3.72
1500-1600	0.108	0.070	2.17	0.88	3.47
1600-1700	0.195	0.115	2.80	1.46	4.59
1700-1800	0.216	0.135	2.79	1.31	6.68
1800-1900	0.152	0.079	2.20	0.84	3.00
1900-2000	0.110	0.059	3.00	1.67	3.06
2000-2100	0.126	0.102	2.20	0.94	3.32
2100-2200	0.071	0.151	2.25	0.93	3.32
2200-2300	0.059	0.015	1.89	0.51	1.31
2300-2400	0.044	0.030	2.26	0.95	4.42

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/26/74 Site Number: 8

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.053	0.040	2.25	0.91	2.05
0900-1000	0.065	0.071	2.25	0.88	1.56
1000-1100	0.129	0.134	2.25	0.90	1.76
1100-1200	0.095	0.101	2.15	0.83	1.96
1200-1300	0.076	0.074	2.25	0.95	3.32
1300-1400	0.079	0.069	2.25	0.99	2.74
1400-1500	0.075	0.067	2.49	1.21	4.79
1500-1600	0.087	0.082	2.98	1.66	8.51
1600-1700	0.079	0.073	2.35	1.05	4.01
1700-1800	0.075	0.070	2.44	1.09	4.01
1800-1900	0.064	0.058	2.15	0.80	1.96
1900-2000	0.051	0.048	2.15	0.80	1.76
2000-2100	0.082	0.083	2.20	0.86	2.05
2100-2200	0.070	0.062	2.64	1.24	5.34
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/26/74 Site Number: 9

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.093	0.089	2.30	0.97	2.25
0900-1000	0.111	0.123	2.59	1.22	2.35
1000-1100	0.152	0.165	2.35	1.00	2.15
1100-1200	0.135	0.144	2.40	1.08	2.93
1200-1300	0.185	0.201	2.54	1.24	3.52
1300-1400	0.174	0.181	2.44	1.17	3.32
1400-1500	0.146	0.145	2.59	1.33	3.62
1500-1600	0.144	0.152	2.44	1.16	3.13
1600-1700	0.163	0.166	2.64	1.33	4.11
1700-1800	0.132	0.139	2.40	1.06	3.32
1800-1900	0.095	0.091	2.25	0.91	2.35
1900-2000	0.093	0.100	2.25	0.90	1.80
2000-2100	0.117	0.120	2.25	0.89	2.35
2100-2200	0.091	0.081	2.25	0.91	2.74
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/26/74 Site Number: 10

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.107	0.108	2.98	1.63	2.93
0900-1000	0.127	0.130	2.64	1.25	2.74
1000-1100	0.210	0.223	2.64	1.28	3.91
1100-1200	0.210	0.217	2.59	1.26	4.99
1200-1300	0.204	0.214	2.79	1.49	5.96
1300-1400	0.215	0.215	2.44	1.14	7.43
1400-1500	0.202	0.198	2.74	1.44	6.55
1500-1600	0.198	0.198	2.79	1.49	5.96
1600-1700	0.116	0.082	2.35	1.03	3.32
1700-1800	0.218	0.226	2.93	1.58	7.43
1800-1900	0.151	0.159	2.69	1.32	5.18
1900-2000	0.141	0.087	2.70	1.38	4.20
2000-2100	0.154	0.155	2.40	1.04	3.42
2100-2200	0.141	0.141	2.54	1.16	4.69
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/27/74 Site Number: 1

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.054	0.053	2.40	1.10	2.35
0900-1000	0.095	0.066	2.49	1.19	2.44
1000-1100	0.103	0.098	2.44	1.14	3.03
1100-1200	0.115	0.121	2.54	1.24	3.81
1200-1300	0.142	0.139	2.74	1.44	4.30
1300-1400	0.150	0.159	2.93	1.53	4.50
1400-1500	0.166	0.167	2.88	1.53	4.89
1500-1600	0.160	0.160	3.08	1.68	5.18
1600-1700	0.167	0.171	3.03	1.65	5.08
1700-1800	0.143	0.143	2.84	1.51	4.50
1800-1900	0.124	0.122	2.54	1.25	3.81
1900-2000	0.115	0.110	2.49	1.19	2.42
2000-2100	0.112	0.101	2.40	1.11	2.93
2100-2200	0.110	0.098	2.74	1.25	4.30
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/27/74 Site Number: 3

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.075	0.071	2.35	1.03	3.62
0900-1000	0.115	0.100	2.54	1.22	3.32
1000-1100	0.100	0.097	2.54	1.24	3.81
1100-1200	0.119	0.112	2.64	1.34	4.69
1200-1300	0.124	0.112	2.69	1.37	4.50
1300-1400	0.129	0.105	2.88	1.43	3.81
1400-1500	0.126	0.104	2.84	1.44	4.20
1500-1600	0.132	0.114	2.74	1.39	3.91
1600-1700	0.195	0.184	3.42	2.06	6.94
1700-1800	0.184	0.185	2.93	1.61	5.77
1800-1900	0.096	0.076	2.49	1.21	2.64
1900-2000	0.104	0.088	2.40	1.24	2.54
2000-2100	0.134	0.121	2.74	1.45	4.11
2100-2200	0.100	0.077	2.93	1.44	2.54
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/27/74 Site Number: 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100	0.052	0.026	2.28	0.98	3.37
0100-0200	0.060	0.028	2.33	1.02	3.46
0200-0300	0.062	0.027	2.27	0.99	3.71
0300-0400	0.063	0.028	2.30	1.00	3.75
0400-0500	0.078	0.032	2.29	0.99	3.46
0500-0600	0.060	0.031	2.25	0.97	3.69
0600-0700	0.052	0.026	2.23	0.96	3.23
0700-0800	0.059	0.031	2.30	1.02	3.67
0800-0900	0.060	0.040	2.25	0.96	3.52
0900-1000	0.113	0.071	2.64	1.31	2.44
1000-1100	0.187	0.125	2.15	0.85	2.98
1100-1200	0.095	0.034	1.93	0.64	3.08
1200-1300	0.080	0.066	2.06	0.81	2.47
1300-1400	0.081	0.054	2.45	1.11	2.89
1400-1500	0.102	0.049	2.25	0.90	3.23
1500-1600	0.094	0.055	2.40	1.04	2.20
1600-1700	0.104	0.043	2.13	0.70	2.37
1700-1800	0.177	0.154	3.18	1.86	5.77
1800-1900	0.091	0.046	2.56	1.23	2.87
1900-2000	0.071	0.020	1.83	0.58	2.44
2000-2100	0.107	0.044	2.04	0.68	2.57
2100-2200	0.107	0.086	2.07	0.81	2.35
2200-2300	0.086	0.033	2.12	0.64	1.69
2300-2400	0.048	0.013	2.26	0.96	3.47

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/27/74 Site Number: 8

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.041	0.029	2.30	1.00	1.86
0900-1000	0.059	0.043	2.35	1.05	2.05
1000-1100	0.078	0.058	2.40	1.11	2.35
1100-1200	0.079	0.078	2.35	1.07	2.74
1200-1300	0.101	0.084	2.59	1.30	3.32
1300-1400	0.104	0.093	2.74	1.32	3.72
1400-1500	0.121	0.112	2.88	1.51	5.28
1500-1600	0.117	0.109	3.47	2.09	6.65
1600-1700	0.123	0.110	3.52	2.05	7.53
1700-1800	0.112	0.102	2.79	1.47	4.50
1800-1900	0.082	0.063	2.44	1.14	3.23
1900-2000	0.090	0.072	2.35	1.06	2.74
2000-2100	0.077	0.064	2.30	1.01	2.25
2100-2200	0.109	0.092	3.23	1.75	9.09
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/27/74 Site Number: 9

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.108	0.112	2.40	1.10	2.93
0900-1000	0.107	0.097	2.49	1.17	2.84
1000-1100	0.154	0.160	2.69	1.39	3.72
1100-1200	0.183	0.193	2.88	1.58	4.99
1200-1300	0.220	0.228	2.98	1.68	6.26
1300-1400	0.226	0.233	3.28	1.84	6.45
1400-1500	0.241	0.249	3.28	1.89	7.63
1500-1600	0.258	0.255	3.52	2.13	8.99
1600-1700	0.252	0.268	3.76	2.32	7.43
1700-1800	0.217	0.220	3.08	1.75	5.67
1800-1900	0.203	0.207	3.13	1.85	6.45
1900-2000	0.183	0.179	2.84	1.52	5.08
2000-2100	0.159	0.156	2.64	1.35	3.72
2100-2200	0.152	0.141	3.13	1.69	6.16
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/27/74 Site Number: 10

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.135	0.130	2.59	1.29	3.52
0900-1000			2.64	1.32	4.30
1000-1100	0.213	0.213	2.79	1.48	5.48
1100-1200	0.278	0.287	3.13	1.82	7.63
1200-1300	0.312	0.321	3.37	2.04	9.39
1300-1400	0.296	0.306	3.52	2.05	8.90
1400-1500	0.299	0.310	3.47	2.05	9.48
1500-1600	0.296	0.305	3.52	2.10	8.60
1600-1700	0.307	0.312	3.62	3.16	8.70
1700-1800	0.304	0.312	3.67	2.29	10.17
1800-1900	0.251	0.254	3.23	1.91	6.84
1900-2000	0.201	0.195	2.54	1.25	4.50
2000-2100	0.226	0.229	2.98	1.66	5.96
2100-2200	0.212	0.212	3.03	1.61	5.96
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/28/74 Site Number: 1

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.047	0.044	2.20	0.86	1.96
0900-1000	0.071	0.066	2.25	0.94	2.15
1000-1100	0.077	0.074	2.40	1.05	2.25
1100-1200	0.093	0.090	2.54	1.21	2.93
1200-1300	0.080	0.078	2.40	1.08	2.25
1300-1400	0.103	0.107	2.64	1.27	3.23
1400-1500					
1500-1600					
1600-1700					
1700-1800					
1800-1900					
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/28/74 Site Number: 3

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.052	0.040	2.15	0.78	2.05
0900-1000	0.068	0.054	2.35	0.98	2.44
1000-1100	0.115	0.098	2.88	1.51	4.40
1100-1200	0.119	0.114	2.98	1.63	4.50
1200-1300	0.132	0.117	2.74	1.42	3.81
1300-1400	0.137	0.127	2.88	1.50	4.20
1400-1500					
1500-1600					
1600-1700					
1700-1800					
1800-1900					
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/28/74 Site Number: 7

Time	NO_2	NO	THC	NMHC	CO
0000-0100	0.079	0.043	2.27	0.99	3.84
0100-0200	0.073	0.046	2.33	1.03	4.10
0200-0300	0.061	0.026	2.33	1.02	4.25
0300-0400	0.042	0.013	2.29	0.97	3.71
0400-0500	0.041	0.011	2.28	0.98	3.79
0500-0600	0.043	0.010	2.29	0.98	3.79
0600-0700	0.043	0.013	2.31	1.01	3.99
0700-0800	0.047	0.018	2.29	0.98	3.94
0800-0900	0.048	0.019	2.30		3.89
0900-1000	0.032	0.029	1.96	0.63	1.86
1000-1100	0.104	0.066	2.62	1.24	2.84
1100-1200	0.088	0.080	2.59	1.22	3.67
1200-1300	0.128	0.053	2.49	1.18	3.81
1300-1400	0.097	0.072	2.79	1.38	4.60
1400-1500					
1500-1600					
1600-1700					
1700-1800					
1800-1900					
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/28/74 Site Number: 8

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.040	0.027	2.79	1.44	1.27
0900-1000	0.054	0.041	2.40	1.08	1.56
1000-1100	0.066	0.043	2.49	1.14	1.86
1100-1200	0.073	0.058	2.54	1.21	2.35
1200-1300	0.076	0.065	2.54	1.24	2.35
1300-1400	0.086	0.076	2.64	1.26	2.54
1400-1500					
1500-1600					
1600-1700					
1700-1800					
1800-1900					
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/28/74 Site Number: 9

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.073	0.062	2.35	1.00	1.96
0900-1000	0.107	0.095	2.44	1.12	2.54
1000-1100	0.112	0.096	2.59	1.24	2.64
1100-1200	0.140	0.135	2.84	1.49	3.72
1200-1300	0.134	0.132	2.84	1.52	3.23
1300-1400	0.151	0.151	2.88	1.49	3.52
1400-1500					
1500-1600					
1600-1700					
1700-1800					
1800-1900					
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Mobile Laboratory and Bag Sample Air Quality Data
(all values in ppm)

Date: 12/28/74 Site Number: 10

Time	NO_2	NO	THC	NMHC	CO
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900	0.087	0.076	2.40	1.05	2.44
0900-1000	0.132	0.121	2.64	1.30	3.72
1000-1100	0.140	0.119	2.79	1.43	3.62
1100-1200	0.200	0.206	3.32	1.94	7.04
1200-1300	0.192	0.196	3.28	1.93	6.16
1300-1400	0.171	0.174	3.08	1.68	5.48
1400-1500					
1500-1600					
1600-1700					
1700-1800					
1800-1900					
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

APPENDIX B

1. Ambient Temperature, Wind Speed and Direction Data

2. Meteorological Stability Data

1. Ambient Temperature, Wind Speed and Direction Data

Meteorological Data

Date: 12/10/74

Time	Temperature (^oF)	Mobile Laboratory Wind Direction Degrees	Mobile Laboratory Wind Speed m.p.h.	3 M Building Wind Direction Degrees	3 M Building Wind Speed m.p.h.
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100					
1100-1200					
1200-1300					
1300-1400					
1400-1500					
1500-1600					
1600-1700					
1700-1800					
1800-1900	36.5	248	0.3		
1900-2000	33.5	347	0.2		
2000-2100	31.0	23	0.4		
2100-2200	31.0	42	0.2		
2200-2300	30.8	301	0.3		
2300-2400	28.8	319	0.1		

Meteorological Data

Date: 12/11/74

Time	Temperature (°F)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m.p.h.	Wind Direction Degrees	Wind Speed m.p.h.
0000-0100	29.0	31	0.3		
0100-0200	28.8	353	0.1		
0200-0300	30.5	277	0.1		
0300-0400	30.0	42	0.6		
0400-0500	30.8	69	0.2		
0500-0600	31.0	35	0.2		
0600-0700	31.8	166	2.3		
0700-0800					
0800-0900					
0900-1000					
1000-1100					
1100-1200					
1200-1300					
1300-1400					
1400-1500	36.0	205	2.3		
1500-1600	36.0	123	0.3		
1600-1700	36.5	80	1.4		
1700-1800	37.0	106	1.9		
1800-1900	36.0	49	1.9		
1900-2000	36.8	4	1.9		
2000-2100	36.8	60	2.8		
2100-2200	36.0	87	1.9		
2200-2300	36.3	248	0.8		
2300-2400	36.0	257	1.5		

Meteorological Data

Date: 12/10/74

Time	Temperature (°F)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m. p. h.	Wind Direction Degrees	Wind Speed m. p. h.
0000-0100					
0100-0200					
0200-0300					
0300-0400					
0400-0500					
0500-0600					
0600-0700					
0700-0800					
0800-0900					
0900-1000					
1000-1100					
1100-1200					
1200-1300					
1300-1400					
1400-1500					
1500-1600					
1600-1700					
1700-1800					
1800-1900	36.5	248	0.3		
1900-2000	33.5	347	0.2		
2000-2100	31.0	23	0.4		
2100-2200	31.0	42	0.2		
2200-2300	30.8	301	0.3		
2300-2400	28.8	319	0.1		

Meteorological Data

Date: 12/11/74

Time	Temperature (^oF)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m. p. h.	Wind Direction Degrees	Wind Speed m. p. h.
0000-0100	29.0	31	0.3		
0100-0200	28.8	353	0.1		
0200-0300	30.5	277	0.1		
0300-0400	30.0	42	0.6		
0400-0500	30.8	69	0.2		
0500-0600	31.0	35	0.2		
0600-0700	31.8	166	2.3		
0700-0800					
0800-0900					
0900-1000					
1000-1100					
1100-1200					
1200-1300					
1300-1400					
1400-1500	36.0	205	2.3		
1500-1600	36.0	123	0.3		
1600-1700	36.5	80	1.4		
1700-1800	37.0	106	1.9		
1800-1900	36.0	49	1.9		
1900-2000	36.8	4	1.9		
2000-2100	36.8	60	2.8		
2100-2200	36.0	87	1.9		
2200-2300	36.3	248	0.8		
2300-2400	36.0	257	1.5		

Meteorological Data

Date: 12/12/74

Time	Temperature (°F)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m. p. h.	Wind Direction Degrees	Wind Speed m. p. h.
0000-0100	35.0	270	2.0		
0100-0200	34.5	285	3.0		
0200-0300	34.0	272	3.8		
0300-0400	33.8	257	3.7		
0400-0500	32.8	250	2.9		
0500-0600	31.8	237	2.6		
0600-0700	30.0	229	2.1		
0700-0800	30.5	176	0.1		
0800-0900	31.0	247	0.1		
0900-1000	31.0	234	0.1		
1000-1100	31.0	237	0.1		
1100-1200	32.0	226	1.9		
1200-1300	31.8	237	3.1		
1300-1400	31.8	213	3.9		
1400-1500	32.0	209	3.2		
1500-1600	32.0	200	4.3		
1600-1700	32.0	175	4.8		
1700-1800	32.0	180	4.6	180	6
1800-1900	32.3	191	5.9	200	6
1900-2000	33.0	202	5.6	200	6
2000-2100	33.8	199	6.0	190	6
2100-2200	34.0	190	5.4	190	6
2200-2300	35.0	176	4.2	170	3
2300-2400	35.0	119	3.4	170	3

Meteorological Data

Date: 12/13/74

Time	Temperature (°F)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m. p. h.	Wind Direction Degrees	Wind Speed m. p. h.
0000-0100	35	131	0.4	180	2
0100-0200	35	150	0.7	160	2
0200-0300	36	175	1.2	140	3
0300-0400	36	138	0.8	140	3
0400-0500	36	123	1.3	130	3
0500-0600	36	132	1.7	130	4
0600-0700	36	145	2.4	150	4
0700-0800	35	156	2.7	150	7
0800-0900	36	163	3.8	160	8
0900-1000	36	167	5.2	180	9
1000-1100	36	175	4.6	190	7
1100-1200	36	185	3.7	200	5
1200-1300	36	202	2.3	210	5
1300-1400	36	204	2.0	230	4
1400-1500	35	235	0.7	240	4
1500-1600				240	3
1600-1700	38	228	1.0	220	3
1700-1800	39	215	0.2	240	2
1800-1900	40	232	0.1	230	3
1900-2000	41	253	0.0	230	2
2000-2100	42	270	0.3	240	1
2100-2200	43	280	0.1	250	3
2200-2300	42	276	<0.6	260	2
2300-2400	38	258	<0.6	260	1

Meteorological Data

Date: 12/14/74

Time	Temperature (°F)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m. p. h.	Wind Direction Degrees	Wind Speed m. p. h.
0000-0100	38	276	<0.6	250	3
0100-0200	38	260	<0.6	250	1
0200-0300	37	336	<0.6	250	0
0300-0400	37	78	<0.6	250	1
0400-0500	36	60	<0.6	250	1
0500-0600	34	210	<0.6	250	0
0600-0700	34	60	<0.6	250	0
0700-0800	35	75	<0.6	250	0
0800-0900	35	116	3.1	140	1
0900-1000	37	135	4.5	140	6
1000-1100	38	127	7.3	140	8
1100-1200	40	119	6.5	120	6
1200-1300	41	130	6.1	130	7
1300-1400	44	128	8.2	130	8
1400-1500	44	130	10.4	130	10
1500-1600	44	120	10.3	120	9
1600-1700	46	120	10.5	120	7
1700-1800	47	115	11.0	120	8
1800-1900	47	111	13.7	120	11
1900-2000	48	119	16.7	120	14
2000-2100	49	124	16.3	130	15
2100-2200		128	15.4	130	15
2200-2300		130	18.0	130	16
2300-2400		136	17.5	140	18

Meteorological Data

Date: 12/15/74

Time	Temperature (^{o}F)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m. p. h.	Wind Direction Degrees	Wind Speed m. p. h.
0000-0100		150	9.7	150	14
0100-0200		150	8.7	150	13
0200-0300		156	11.5	160	14
0300-0400		156	10.0	150	13
0400-0500		168	10.5	160	13
0500-0600		210	3.2	210	6
0600-0700		222	6.0	210	8
0700-0800		240	2.7	240	9
0800-0900		216	5.0	220	8
0900-1000		200	5.2	200	7
1000-1100		200	7.2	200	10
1100-1200	37	210	7.8	210	11
1200-1300	37	205	7.1	210	11
1300-1400	37	212	7.4	210	11
1400-1500	36	215	7.0	220	11
1500-1600	36	221	7.6	220	12
1600-1700	36	226	6.5	220	14
1700-1800	36	223	5.8	220	13
1800-1900	36	228	6.3	230	14
1900-2000				230	13
2000-2100	36	225	7.5	230	12
2100-2200	35	246	5.5	240	13
2200-2300	35	252	4.5	250	11
2300-2400	36	255	5.2	250	11

Meteorological Data

Date: 12/16/74

Time	Temperature (°F)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m. p. h.	Wind Direction Degrees	Wind Speed m. p. h.
0000-0100	36	252	5.0	240	12
0100-0200	36	246	5.5	240	12
0200-0300	36	258	4.2	250	11
0300-0400	35	270	5.0	260	11
0400-0500	35	276	8.2	260	12
0500-0600	34	282	7.5	270	12
0600-0700	34	282	5.0	280	9
0700-0800	33	282	6.0	280	9
0800-0900	33	276	7.3	280	10
0900-1000	33	277	7.8	270	9
1000-1100	32	283	6.9	280	10
1100-1200	32	286	7.2	280	11
1200-1300	32	282	8.1	280	11
1300-1400	32	280	8.0	280	11
1400-1500	32	285	8.5	280	11
1500-1600	32	279	8.9	280	11
1600-1700	31	286	6.6	280	10
1700-1800	31	282	7.1	280	10
1800-1900	31	287	8.8	290	11
1900-2000	30	286	6.0	290	10
2000-2100	30	289	4.9	290	8
2100-2200	30	282	4.0	280	6
2200-2300	28	294	5.5	300	9
2300-2400	28	288	3.5	300	7

Meteorological Data

Date: 12/17/74

Time	Temperature (°F)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m. p. h.	Wind Direction Degrees	Wind Speed m. p. h.
0000-0100	27	294	5.5	300	7
0100-0200	27	294	4.5	290	7
0200-0300	25	294	4.2	290	7
0300-0400	24	300	5.0	300	7
0400-0500	23	300	5.0	300	7
0500-0600	23	294	5.0	300	7
0600-0700	22	300	5.5	300	8
0700-0800	22	306	5.0	310	8
0800-0900	23	298	5.8	300	8
0900-1000	24	296	4.2	300	7
1000-1100	25	282	3.5	290	7
1100-1200	25	285	6.1	280	9
1200-1300	26	293	5.8	300	10
1300-1400	25	275	5.7	270	9
1400-1500	24	279	6.7	270	10
1500-1600	24	281	4.2	280	7
1600-1700	24	278	3.5	270	6
1700-1800	24	269	2.3	260	6
1800-1900	24	268	3.0	260	7
1900-2000	25	267	3.3	260	6
2000-2100	25	270	4.2	260	7
2100-2200	25	285	3.5	270	7
2200-2300	25	282	2.8	280	6
2300-2400	24	255	1.2	260	5

Meteorological Data

Date: 12/18/74

Time	Temperature (°F)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m. p. h.	Wind Direction Degrees	Wind Speed m. p. h.
0000-0100	22	240	<0.6	250	2
0100-0200	19	270	<0.6	250	2
0200-0300	18	270	<0.6	250	1
0300-0400	17	166	<0.6	250	0
0400-0500	17	126	<0.6	250	0
0500-0600	17	140	<0.6	250	0
0600-0700	18	132	<0.6	230	0
0700-0800	20	120	<0.6	210	0
0800-0900	22	142	1.9	180	2
0900-1000	24	148	3.7	150	5
1000-1100	27	178	3.6	160	7
1100-1200	29	162	4.8	160	6
1200-1300	31	149	7.0	160	9
1300-1400	32	152	8.2	140	10
1400-1500	32	138	8.8	140	10
1500-1600	33	132	8.2	130	7
1600-1700	32	112	7.5	110	5
1700-1800	32	107	7.8	100	5
1800-1900	31	121	4.5	130	5
1900-2000	31	118	2.7	130	5
2000-2100	31	105	1.5	110	2
2100-2200				110	1
2200-2300	31	128	2.0	110	0
2300-2400	31	222	2.0	200	1

Meteorological Data

Date: 12/19/74

Time	Temperature (°F)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m. p. h.	Wind Direction Degrees	Wind Speed m. p. h.
0000-0100	31	282	3.0	280	5
0100-0200	31	288	6.8	290	9
0200-0300	30	294	9.0	290	12
0300-0400	28	288	7.0	290	8
0400-0500	27	282	5.0	280	7
0500-0600	24	246	2.2	250	5
0600-0700	22	240	2.8	250	6
0700-0800	22	234	2.2	240	4
0800-0900	22	235	2.0	240	6
0900-1000	25	249	1.8	250	8
1000-1100	28	240	2.5	250	9
1100-1200	29	240	2.5	240	11
1200-1300	30	248	2.1	250	10
1300-1400	31	248	2.3	250	8
1400-1500	32	240	1.2	240	7
1500-1600	32	234	0.5	240	6
1600-1700	30	228	0.0	230	3
1700-1800	29	260	0.0	230	1
1800-1900	28	228	0.0	230	1
1900-2000	27	324	0.0	220	0
2000-2100	27	360	0.0	220	0
2100-2200				220	0
2200-2300	28	36	<0.6	220	0
2300-2400	28	96	<0.6	180	0

Meteorological Data

Date: 12/20/74

Time	Temperature (°F)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m. p. h.	Wind Direction Degrees	Wind Speed m. p. h.
0000-0100	28	54	<0.6	160	0
0100-0200	28	84	<0.6	90	2
0200-0300	28	96	<0.6	90	2
0300-0400	28	90	0.8	80	3
0400-0500	28	78	0.6	70	3
0500-0600	28	72	1.5	70	4
0600-0700	28	78	2.7	70	5
0700-0800	29	84	3.2	80	5
0800-0900	30	90	2.0	90	4
0900-1000	31	81	1.7	80	5
1000-1100	32	78	3.0	80	4
1100-1200	34	94	3.3	90	4
1200-1300	35	96	5.2	90	5
1300-1400	36	102	7.3	90	7
1400-1500	36	99	6.5	100	6
1500-1600	35	108	5.0	100	5
1600-1700	34	108	4.5	100	5
1700-1800	34	102	2.5	90	4
1800-1900	34	96	1.0	90	3
1900-2000	34	90	0.6	80	2
2000-2100	33	84	<0.6	80	2
2100-2200	33	170	<0.6	80	0
2200-2300	32	264	<0.6	80	0
2300-2400	32	294	<0.6	60	1

Meteorological Data

Date: 12/21/74

Time	Temperature (^{o}F)	Mobile Laboratory Wind Direction Degrees	Wind Speed m. p. h.	3 M Building Wind Direction Degrees	Wind Speed m. p. h.
0000-0100	32	300	<0.6	320	2
0100-0200	32	282	<0.6	280	4
0200-0300	32	300	1.2	300	5
0300-0400	32	300	2.2	300	6
0400-0500	31	294	2.0	300	7
0500-0600	30	300	2.0	300	7
0600-0700	29	300	4.0	300	9
0700-0800	28	296	3.8	300	9
0800-0900	28	300	4.5	300	9
0900-1000	28	310	2.8	310	9
1000-1100	28	315	2.3	310	8
1100-1200	28	306	2.5	310	8
1200-1300	28	300	1.5	300	7
1300-1400	28	294	2.3	300	7
1400-1500	28	294	1.7	300	6
1500-1600	28	294	1.6	290	6
1600-1700	28	288	0.3	290	1
1700-1800	28	282	0.0	280	1
1800-1900	27	282	0.0	290	1
1900-2000	25	312	0.0	290	1
2000-2100	23	300	0.0	290	0
2100-2200	23	222	0.0	280	0
2200-2300	22	108	<0.6	290	0
2300-2400		84	<0.6	280	0

Meteorological Data

Date: 12/22/74

Time	Temperature (°F)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m. p. h.	Wind Direction Degrees	Wind Speed m. p. h.
0000-0100	20	150	<0.6	280	0
0100-0200	20	144	<0.6	280	0
0200-0300	22	138	<0.6	210	0
0300-0400	23	144	<0.6	170	1
0400-0500	23	138	<0.6	170	1
0500-0600	24	138	4.2	140	6
0600-0700	27	150	6.5	150	9
0700-0800	28	144	9.0	150	10
0800-0900	30	150	7.5	150	11
0900-1000	32	156	11.7	160	14
1000-1100	34	162	12.0	160	16
1100-1200	36	156	13.0	150	18
1200-1300	38	156	17.0	150	20
1300-1400	40	156	14.0	150	18
1400-1500	42	156	18.0	160	18
1500-1600	43	159	15.0	160	19
1600-1700	42	162	10.0	170	15
1700-1800	42	165	8.0	170	14
1800-1900	42	165	6.0	180	12
1900-2000				190	12
2000-2100	42	191	6.8	190	12
2100-2200	42	186	6.0	200	11
2200-2300	42	210	3.8	220	8
2300-2400	40	267	2.5	270	8

Meteorological Data

Date: 12/23/74

Time	Temperature (°F)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m. p. h.	Wind Direction Degrees	Wind Speed m. p. h.
0000-0100	38	282	<0.6	290	5
0100-0200	34	252	<0.6	280	1
0200-0300	32	198	<0.6	250	0
0300-0400	31	54	<0.6	250	0
0400-0500	30	6	<0.6	300	0
0500-0600	30	192	<0.6	260	0
0600-0700	28	60	<0.6	210	0
0700-0800	29	174	<0.6	220	0
0800-0900	31	18	0.0	270	0
0900-1000	34	10	0.0	310	0
1000-1100	35	354	0.0	290	0
1100-1200	36	24	0.0	300	0
1200-1300	37	67	0.5	80	2
1300-1400	37	48	0.7	60	3
1400-1500	37	52	0.7	50	2
1500-1600	36	66	1.6	60	4
1600-1700	35	45	1.6	50	4
1700-1800	35	75	3.7	70	5
1800-1900	35	78	4.5	70	6
1900-2000	35	80	6.2	70	7
2000-2100	35	84	7.0	80	7
2100-2200	35	60	4.0	40	5
2200-2300				20	4
2300-2400	34	15	7.2	10	5

Meteorological Data

Date: 12/24/74

Time	Temperature (°F)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m. p. h.	Wind Direction Degrees	Wind Speed m. p. h.
0000-0100	34	18	7.6	40	5
0100-0200	34	43	8.5	50	6
0200-0300	34	45	7.7	60	5
0300-0400	34	44	6.5	50	5
0400-0500	34	22	5.9	20	3
0500-0600	34	16	5.7	20	3
0600-0700	34	350	4.4	360	3
0700-0800	33	353	5.5	360	4
0800-0900	32	354	6.3	360	3
0900-1000	32	21	5.9	30	4
1000-1100	32	5	7.0	0	4
1100-1200	33	326	6.1	340	7
1200-1300	31	339	5.2	350	7
1300-1400	30	347	7.0	350	7
1400-1500	28	345	5.8	350	5
1500-1600	27	345	5.4	350	5
1600-1700	27	347	5.0	350	5
1700-1800	27	344	5.1	350	5
1800-1900	26	326	3.6	330	6
1900-2000	26	330	2.7	340	5
2000-2100	25	321	2.5	330	6
2100-2200	25	318	3.3	330	8
2200-2300	25	315	3.6	320	7
2300-2400	24	312	3.7	310	8

Meteorological Data

Date: 12/25/74

Time	Temperature (^{o}F)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m. p. h.	Wind Direction Degrees	Wind Speed m. p. h.
0000-0100	24	303	2.8	310	7
0100-0200	23	310	5.9	320	11
0200-0300	23	307	4.2	320	11
0300-0400	23	315	4.1	310	8
0400-0500	22	312	3.6	300	8
0500-0600	21	297	4.2	300	9
0600-0700	22	295	4.6	300	11
0700-0800	22	307	4.0	300	8
0800-0900	23	300	3.2	280	7
0900-1000	24	313	38	300	9
1000-1100	25	290	4.5	290	11
1100-1200	26	286	5.3	290	11
1200-1300	23	288	3.7	300	10
1300-1400	24	286	3.9	290	10
1400-1500	25	290	4.5	290	8
1500-1600	25	285	3.6	290	7
1600-1700	26	267	2.5	260	4
1700-1800	25	246	1.3	250	2
1800-1900	25	235	0.4	230	2
1900-2000				230	2
2000-2100	25	230	0.6	230	2
2100-2200	24	210	0.5	220	2
2200-2300	24	215	0.3	230	3
2300-2400	24	206	0.7	220	4

Meteorological Data

Date: 12/26/74

		Mobile Laboratory		3 M Building	
Time	Temperature (^{o}F)	Wind Direction Degrees	Wind Speed m.p.h.	Wind Direction Degrees	Wind Speed m.p.h.
0000-0100	24	210	1.0	220	3
0100-0200	23	196	0.8	200	2
0200-0300	23	192	1.2	190	4
0300-0400	23	183	1.4	190	5
0400-0500	23	181	1.3	180	5
0500-0600	23	178	1.9	180	5
0600-0700	23	181	2.6	180	5
0700-0800	22	176	3.7	180	6
0800-0900	22	180	4.5	190	9
0900-1000	24	186	4.5	190	10
1000-1100	27	186	6.7	190	13
1100-1200	29	190	6.8	190	13
1200-1300	29	204	5.8	200	11
1300-1400	31	200	5.2	190	10
1400-1500	32	196	6.0	190	
1500-1600	32	192	4.9	190	
1600-1700	32	190	5.1	190	
1700-1800	31	192	6.2	190	
1800-1900	31	182	6.2	190	
1900-2000	31	180	3.8	190	
2000-2100	31	196	3.3	190	
2100-2200	31	193	4.1	200	
2200-2300	31	195	4.0	200	
2300-2400	30	196	7.6	200	

Meteorological Data

Date: 12/27/74

Time	Temperature (^oF)	Mobile Laboratory		3 M Building	
		Wind Direction Degrees	Wind Speed m. p. h.	Wind Direction Degrees	Wind Speed m. p. h.
0000-0100	30	203	7.3	200	
0100-0200	30	201	7.7	210	
0200-0300	30	192	5.8	200	
0300-0400	30	183	5.3	190	
0400-0500	30	184	5.6	180	
0500-0600	29	196	7.7	200	
0600-0700	30	205	7.4	210	
0700-0800	30	212	5.3	220	
0800-0900	30	212	4.2	220	
0900-1000	31	198	1.8	210	
1000-1100	31	210	1.0	220	
1100-1200	31	210	1.0	220	
1200-1300	32	220	0.6	230	
1300-1400	32	228	0.6	230	
1400-1500	32	228	0.6	240	
1500-1600	33	240	<0.6	250	
1600-1700	33	220	<0.6	220	
1700-1800	33	205	1.1	190	
1800-1900	33	247	<0.6	240	4
1900-2000	33	246	<0.6	250	3
2000-2100	33	216	<0.6	220	3
2100-2200	33	230	<0.6	240	3
2200-2300	33	241	0.5	240	0
2300-2400	32	295	0.3	240	0

2. Meteorological Stability Data

Meteorological Data

Date: 12/28/74

Time	Temperature (^oF)	Mobile Laboratory Wind Direction Degrees	Mobile Laboratory Wind Speed m. p. h.	3 M Building Wind Direction Degrees	3 M Building Wind Speed m. p. h.
0000-0100	32	137	1.2	240	0
0100-0200	32	140	2.7	210	1
0200-0300	32	179	3.5	190	3
0300-0400	32	153	3.1	190	2
0400-0500	33	171	3.5	180	4
0500-0600	33	159	4.4	170	5
0600-0700	33	188	3.9	200	3
0700-0800	33	200	3.8	200	3
0800-0900	34	216	<0.6	230	3
0900-1000	34	198	<0.6	210	2
1000-1100	35	198	0.8	180	4
1100-1200		204	1.0	200	4
1200-1300		204	1.0	180	5
1300-1400		174	2.0	180	6
1400-1500				190	9
1500-1600				200	8
1600-1700					
1700-1800					
1800-1900					
1900-2000					
2000-2100					
2100-2200					
2200-2300					
2300-2400					

Month	Date	Hour	Wind Speed (mph)	Cloud Cover (tenths)	Ceiling (100's of feet)	Stability Class
12	10	18	0	0	250	5
12	10	19	0	0	250	5
12	10	20	0	0	250	5
12	10	21	0	1	240	5
12	10	22	0	0	250	5
12	10	23	0	2	240	5
12	10	24	0	3	240	5
12	11	1	0	3	250	5
12	11	2	0	8	250	5
12	11	3	0	7	250	5
12	11	4	1	7	250	5
12	11	5	0	10	120	5
12	11	6	0	10	90	5
12	11	7	2	10	70	4
12	11	8	0	10	60	4
12	11	9	0	10	38	4
12	11	10	3	10	40	4
12	11	11	7	10	40	4
12	11	12	11	10	35	4
12	11	13	3	10	25	4
12	11	14	5	10	28	4
12	11	15	2	10	24	4
12	11	16	0	10	18	4
12	11	17	1	10	18	4
12	11	18	2	10	16	4
12	11	19	2	10	8	4
12	11	20	2	10	23	4
12	11	21	3	10	3	4
12	11	22	2	10	3	4
12	11	23	1	10	6	4
12	11	24	2	10	14	4
12	12	1	2	10	12	4
12	12	2	3	10	14	4
12	12	3	4	10	2	4
12	12	4	4	10	2	4
12	12	5	3	10	1	4
12	12	6	3	10	2	4
12	12	7	2	10	2	4
12	12	8	0	10	2	4
12	12	9	0	10	2	4
12	12	10	0	10	2	4
12	12	11	0	10	2	4
12	12	12	2	10	3	4
12	12	13	3	10	2	4
12	12	14	4	10	3	4
12	12	15	3	10	3	4
12	12	16	4	10	3	4
12	12	17	5	10	3	4
12	12	18	5	10	3	4

Month	Date	Hour	Wind Speed (mph)	Cloud Cover (tenths)	Ceiling (100's of feet)	Stability Class
12	12	19	6	10	5	4
12	12	20	6	10	6	4
12	12	21	6	10	6	4
12	12	22	6	10	10	4
12	12	23	3	10	16	4
12	12	24	3	10	15	4
12	13	1	2	10	16	4
12	13	2	2	10	18	4
12	13	3	3	10	20	4
12	13	4	3	10	19	4
12	13	5	3	9	19	5
12	13	6	4	6	19	5
12	13	7	4	9	30	5
12	13	8	7	3	50	4
12	13	9	8	10	7	4
12	13	10	9	10	6	4
12	13	11	7	10	5	4
12	13	12	5	10	4	4
12	13	13	5	10	4	4
12	13	14	4	10	4	4
12	13	15	4	10	3	4
12	13	16	3	10	1	4
12	13	17	3	10	2	4
12	13	18	2	10	2	4
12	13	19	3	10	20	4
12	13	20	2	10	13	4
12	13	21	1	10	8	4
12	13	22	3	10	15	4
12	13	23	2	10	17	4
12	13	24	1	10	16	4
12	14	1	3	10	15	4
12	14	2	1	10	16	4
12	14	3	0	10	26	4
12	14	4	1	10	26	4
12	14	5	1	5	20	5
12	14	6	0	6	20	5
12	14	7	0	10	28	4
12	14	8	0	10	28	4
12	14	9	1	8	25	3
12	14	10	6	8	12	4
12	14	11	8	7	27	4
12	14	12	6	10	29	4
12	14	13	7	9	13	4
12	14	14	8	10	16	4
12	14	15	10	10	16	4
12	14	16	9	10	16	4
12	14	17	7	10	90	5
12	14	18	8	10	90	4
12	14	19	11	10	80	4

Month	Date	Hour	Wind Speed (mph)	Cloud Cover (tenths)	Ceiling (100's of feet)	Stability Class
12	14	20	14	10	40	4
12	14	21	15	10	30	4
12	14	22	15	10	25	4
12	14	23	16	10	11	4
12	14	24	18	10	9	4
12	15	1	14	10	9	4
12	15	2	13	10	9	4
12	15	3	14	10	6	4
12	15	4	13	10	6	4
12	15	5	13	10	5	4
12	15	6	6	10	20	4
12	15	7	8	10	22	4
12	15	8	9	6	25	4
12	15	9	8	10	27	4
12	15	10	7	10	26	4
12	15	11	10	10	22	4
12	15	12	11	10	17	4
12	15	13	11	10	12	4
12	15	14	11	10	12	4
12	15	15	11	10	14	4
12	15	16	12	10	15	4
12	15	17	14	10	15	4
12	15	18	13	10	13	4
12	15	19	14	10	13	4
12	15	20	13	10	12	4
12	15	21	12	10	13	4
12	15	22	13	10	13	4
12	15	23	11	10	12	4
12	15	24	11	10	15	4
12	16	1	12	10	12	4
12	16	2	12	10	13	4
12	16	3	11	10	16	4
12	16	4	11	10	15	4
12	16	5	12	10	11	4
12	16	6	12	10	9	4
12	16	7	9	10	11	4
12	16	8	9	10	13	4
12	16	9	10	10	13	4
12	16	10	9	10	13	4
12	16	11	10	10	15	4
12	16	12	11	10	11	4
12	16	13	11	10	13	4
12	16	14	11	10	13	4
12	16	15	11	10	11	4
12	16	16	11	10	11	4
12	16	17	10	10	12	4
12	16	18	10	10	15	4
12	16	19	11	10	14	4
12	16	20	10	10	15	4

Month	Date	Hour	Wind Speed (mph)	Cloud Cover (tenths)	Ceiling (100's of feet)	Stability Class
12	16	21	8	10	15	4
12	16	22	6	10	13	4
12	16	23	9	10	15	4
12	16	24	7	10	12	4
12	17	1	7	10	12	4
12	17	2	7	10	9	4
12	17	3	7	10	9	4
12	17	4	7	10	10	4
12	17	5	7	10	14	4
12	17	6	7	10	13	4
12	17	7	8	10	13	4
12	17	8	8	10	13	4
12	17	9	8	10	13	4
12	17	10	7	10	13	4
12	17	11	7	10	13	4
12	17	12	9	10	13	4
12	17	13	10	10	19	4
12	17	14	9	10	19	4
12	17	15	10	10	17	4
12	17	16	7	10	28	4
12	17	17	6	10	28	4
12	17	18	6	10	30	4
12	17	19	7	10	25	4
12	17	20	6	10	24	4
12	17	21	7	10	22	4
12	17	22	7	10	20	4
12	17	23	6	8	19	5
12	17	24	5	3	18	5
12	18	1	2	0	250	5
12	18	2	2	0	250	5
12	18	3	1	0	250	5
12	18	4	0	0	250	5
12	18	5	0	0	250	5
12	18	6	0	0	1	5
12	18	7	0	5	1	5
12	18	8	0	9	100	3
12	18	9	2	10	100	3
12	18	10	5	10	130	4
12	18	11	7	10	80	4
12	18	12	6	10	80	4
12	18	13	9	10	80	4
12	18	14	10	9	80	4
12	18	15	10	10	80	4
12	18	16	7	10	80	5
12	18	17	5	10	80	5
12	18	18	5	10	90	5
12	18	19	5	10	28	4
12	18	20	5	10	5	4

Month	Date	Hour	Wind Speed (mph)	Cloud Cover (tenths)	Ceiling (100's of feet)	Stability Class
12	18	21	2	10	4	4
12	18	22	1	10	5	4
12	18	23	0	10	5	4
12	18	24	1	10	4	4
12	19	1	5	10	4	4
12	19	2	9	10	13	4
12	19	3	12	5	15	4
12	19	4	8	0	250	5
12	19	5	7	0	250	5
12	19	6	5	0	250	5
12	19	7	6	2	170	5
12	19	8	4	0	250	3
12	19	9	6	0	250	4
12	19	10	8	1	200	3
12	19	11	9	1	200	3
12	19	12	11	1	200	4
12	19	13	10	7	200	3
12	19	14	8	10	200	4
12	19	15	7	9	200	4
12	19	16	6	10	200	5
12	19	17	3	6	200	5
12	19	18	1	6	200	5
12	19	19	1	7	120	5
12	19	20	0	10	120	5
12	19	21	0	10	120	5
12	19	22	0	10	35	4
12	19	23	0	10	45	4
12	19	24	0	10	45	4
12	20	1	0	10	50	4
12	20	2	2	10	28	4
12	20	3	2	10	15	4
12	20	4	3	10	20	4
12	20	5	3	10	30	4
12	20	6	4	10	45	4
12	20	7	5	9	45	5
12	20	8	5	10	45	4
12	20	9	4	10	45	4
12	20	10	5	10	45	4
12	20	11	4	10	50	4
12	20	12	4	9	60	3
12	20	13	5	9	60	4
12	20	14	7	10	55	4
12	20	15	6	10	50	4
12	20	16	5	10	50	4
12	20	17	5	10	25	4
12	20	18	4	10	18	4
12	20	19	3	10	22	4
12	20	20	2	10	19	4

Month	Date	Hour	Wind Speed (mph)	Cloud Cover (tenths)	Ceiling (100's of feet)	Stability Class
12	20	21	2	10	13	4
12	20	22	0	10	25	4
12	20	23	0	10	40	4
12	20	24	1	10	40	4
12	21	1	2	10	5	4
12	21	2	4	10	4	4
12	21	3	5	10	2	4
12	21	4	6	10	5	4
12	21	5	7	10	7	4
12	21	6	7	10	7	4
12	21	7	9	10	7	4
12	21	8	9	10	7	4
12	21	9	9	10	6	4
12	21	10	9	10	7	4
12	21	11	8	10	7	4
12	21	12	8	10	8	4
12	21	13	7	10	8	4
12	21	14	7	10	9	4
12	21	15	6	10	9	4
12	21	16	6	10	38	4
12	21	17	1	6	35	5
12	21	18	1	2	55	5
12	21	19	1	1	60	5
12	21	20	1	1	65	5
12	21	21	0	0	250	5
12	21	22	0	0	250	5
12	21	23	0	0	250	5
12	21	24	0	2	1	5
12	22	1	0	0	250	5
12	22	2	0	0	250	5
12	22	3	0	10	250	5
12	22	4	1	10	250	5
12	22	5	1	7	250	5
12	22	6	6	10	250	5
12	22	7	9	10	80	4
12	22	8	10	9	80	4
12	22	9	11	7	250	4
12	22	10	14	5	250	4
12	22	11	16	10	220	4
12	22	12	18	10	220	4
12	22	13	20	4	220	4
12	22	14	18	0	250	4
12	22	15	18	0	220	4
12	22	16	19	0	250	4
12	22	17	15	5	220	4
12	22	18	14	3	250	4
12	22	19	12	2	250	5

Month	Date	Hour	Wind Speed (mph)	Cloud Cover (tenths)	Ceiling (100's of feet)	Stability Class
12	22	20	12	1	250	5
12	22	21	12	0	250	5
12	22	22	11	0	250	5
12	22	23	8	0	250	5
12	22	24	8	3	250	5
12	23	1	5	0	250	5
12	23	2	1	0	250	5
12	23	3	0	0	250	5
12	23	4	0	0	250	5
12	23	5	0	0	250	5
12	23	6	0	0	250	5
12	23	7	0	0	250	5
12	23	8	0	2	220	3
12	23	9	0	8	80	3
12	23	10	0	10	35	4
12	23	11	0	10	55	4
12	23	12	0	10	35	4
12	23	13	2	10	33	4
12	23	14	3	10	30	4
12	23	15	2	10	30	4
12	23	16	4	10	33	4
12	23	17	4	10	28	4
12	23	18	5	10	30	4
12	23	19	6	10	24	4
12	23	20	7	10	23	4
12	23	21	7	10	25	4
12	23	22	5	10	7	4
12	23	23	4	10	8	4
12	23	24	5	10	5	4
12	24	1	5	10	5	4
12	24	2	6	10	4	4
12	24	3	5	10	5	4
12	24	4	5	10	32	4
12	24	5	3	10	35	4
12	24	6	3	10	35	4
12	24	7	3	10	4	4
12	24	8	4	10	4	4
12	24	9	3	10	6	4
12	24	10	4	10	9	4
12	24	11	4	8	12	3
12	24	12	7	9	13	4
12	24	13	7	10	27	4
12	24	14	7	10	10	4
12	24	15	5	10	5	4
12	24	16	5	10	6	4
12	24	17	5	10	35	4
12	24	18	5	10	37	4
12	24	19	6	10	45	4

Month	Date	Hour	Wind Speed (mph)	Cloud Cover (tenths)	Ceiling (100's of feet)	Stability Class
12	24	20	5	10	45	4
12	24	21	6	10	45	4
12	24	22	8	10	50	4
12	24	23	7	10	60	4
12	24	24	8	2	60	5
12	25	1	7	7	13	5
12	25	2	11	10	10	4
12	25	3	11	10	11	4
12	25	4	8	6	13	4
12	25	5	8	10	9	4
12	25	6	9	10	10	4
12	25	7	11	10	14	4
12	25	8	8	2	250	4
12	25	9	7	3	250	4
12	25	10	9	3	250	3
12	25	11	11	3	250	4
12	25	12	11	3	250	4
12	25	13	10	2	250	3
12	25	14	10	3	23	3
12	25	15	8	3	23	4
12	25	16	7	0	250	5
12	25	17	4	0	250	5
12	25	18	2	0	250	5
12	25	19	2	0	250	5
12	25	20	2	0	250	5
12	25	21	2	0	250	5
12	25	22	2	0	250	5
12	25	23	3	0	250	5
12	25	24	4	0	250	5
12	26	1	3	0	250	5
12	26	2	2	0	250	5
12	26	3	4	0	250	5
12	26	4	5	0	250	5
12	26	5	5	0	250	5
12	26	6	5	2	250	5
12	26	7	5	5	250	5
12	26	8	6	4	250	4
12	26	9	9	2	250	4
12	26	10	10	2	250	3
12	26	11	13	9	250	4
12	26	12	13	10	250	4
12	26	13	11	10	250	4
12	26	14	10	10	250	4
12	26	15	6	10	250	4
12	26	16	5	10	150	5
12	26	17	5	10	130	5
12	26	18	6	10	100	5

Month	Date	Hour	Wind Speed (mph)	Cloud Cover (tenths)	Ceiling (100's of feet)	Stability Class
12	26	19	6	10	90	5
12	26	20	4	10	80	5
12	26	21	3	10	70	4
12	26	22	4	10	60	4
12	26	23	4	10	60	4
12	26	24	8	10	50	4
12	27	1	7	10	45	4
12	27	2	8	10	40	4
12	27	3	6	10	26	4
12	27	4	5	10	4	4
12	27	5	6	10	2	4
12	27	6	8	10	1	4
12	27	7	7	10	2	4
12	27	8	5	10	2	4
12	27	9	4	10	2	4
12	27	10	2	10	2	4
12	27	11	1	10	2	4
12	27	12	1	10	3	4
12	27	13	1	10	3	4
12	27	14	1	10	1	4
12	27	15	1	10	2	4
12	27	16	0	10	2	4
12	27	17	0	10	2	4
12	27	18	1	10	1	4
12	27	19	4	10	3	4
12	27	20	3	10	4	4
12	27	21	3	10	3	4
12	27	22	3	10	2	4
12	27	23	0	10	1	4
12	27	24	0	10	0	4
12	28	1	0	10	0	4
12	28	2	1	10	0	4
12	28	3	3	10	0	4
12	28	4	2	10	0	4
12	28	5	4	10	0	4
12	28	6	5	10	0	4
12	28	7	3	10	1	4
12	28	8	2	10	0	4
12	28	9	3	10	0	4
12	28	10	2	10	0	4
12	28	11	4	10	1	4
12	28	12	4	10	4	4
12	28	13	5	10	4	4
12	28	14	6	10	4	4
12	28	15	9	10	15	4
12	28	16	8	10	14	4
12	28	17	6	10	13	4
12	28	18	7	10	15	4

APPENDIX C

1. Hourly Traffic Volumes
2. Lane Distribution
3. Speed Delay
4. Queue Lengths
5. Vehicle Mix
6. Signal Timing Data

Notes: Counter numbers 6 and 7 became counters 6a and 7a at 1700 hours on 12/19/74.

The speed limits for streets in the area are as follows:

War Memorial Drive	50 mph
Sterling Avenue	45 mph
Scenic Drive	30 mph
Frontage Roads	30 mph

1. Hourly Traffic Volumes

Hourly Traffic Volumes

Number # 1

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100		10	13	12	25		14
0200		4	3	5	13		8
0300		8	12	5	13		4
0400		4	4	4	16		10
0500		6	9	7	7		6
0600		3	5	6	4		7
0700		8	13	5	8		13
0800		40	42	50	25		50
0900		101	100	80	58		71
1000		119	111	130	141	126	122
1100		169	172	198	307	210	230
1200		158	167	190	320	206	192
1300		177	149	187	296	187	178
1400		169	160	164	282	190	180
1500		159	145	169	243	157	148
1600	156	168	168	191	155	202	172
1700	241	261	266	294		278	303
1800	309	305	255	324		359	341
1900	179	179	186	284		265	260
2000	150	166	186	242		261	213
2100	92	101	116	153		125	119
2200	49	50	42	61		47	51
2300	29	34	23	26		20	27
2400	11	19	23	29		16	24

Hourly Traffic Volumes

Number # 1

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	18				28	35	14
0200	8				20	22	13
0300	7				17	10	7
0400	1				9	12	2
0500	7				11	12	3
0600	5				7	4	10
0700	8				7	7	13
0800	41				22	20	42
0900	93				60	18	65
1000	107			176	171	44	165
1100	209			235	296	129	297
1200	202			226	313	242	245
1300	246			216	291	248	220
1400	220			187	272	316	249
1500	168			194	272	319	199
1600	208			213	267	265	221
1700	307			301	213	230	223
1800	405			288	219	114	223
1900	265			217	195	80	165
2000	270			238	210	51	206
2100	149			144	91	41	159
2200				59	52	28	47
2300				25	24	16	20
2400				26	22	22	22

Hourly Traffic Volumes

Number # 1

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	20						
0200	8						
0300	2						
0400	8						
0500	8						
0600	9						
0700	14						
0800	55						
0900	82						
1000	161						
1100	229						
1200	225						
1300	262						
1400	222						
1500	219						
1600	87						
1700							
1800							
1900							
2000							
2100							
2200							
2300							
2400							

Hourly Traffic Volumes

Number # 2

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100		66	75	79	160	156	58
0200		27	34	35	109	143	22
0300		19	24	14	63	75	20
0400		10	17	13	50	45	11
0500		22	19	19	30	37	12
0600		18	24	21	37	26	19
0700		56	53	56	51	28	47
0800		227	229	240	125	53	183
0900		319	368	325	270	89	286
1000		427	472	563	628	275	526
1100		615	651	755	1061	503	695
1200		773	756	807	1141	917	807
1300		840	789	938	1120	1199	861
1400		792	750	743	1134	1383	766
1500		693	663	759	1108	1364	681
1600	692	752	683	812	1056	1119	732
1700	870	919	952	1056	927	781	922
1800	966	960	943	1079	872	544	945
1900	763	847	871	1080	818	408	891
2000	702	771	834	1051	758	259	958
2100	486	511	549	718	541	271	551
2200	337	349	330	400	333	213	311
2300	225	218	205	285	218	135	184
2400	121	119	106	209	161	92	76

Hourly Traffic Volumes

Number # 2

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	49	73		104	166	191	119
0200	36	51		52	140	127	58
0300	17	16		26	57	67	29
0400	22	9		19	28	81	12
0500	16	12		19	38	46	20
0600	16	18		24	23	22	24
0700	59	43		47	42	27	46
0800	194	200		160	93	60	164
0900	287	300		307	267	67	267
1000	453	426		706	554	232	511
1100	637	705		775	954	555	1081
1200	692	801		885	1173	938	1242
1300	806	892		886	1272	1131	1228
1400	728	847		826	1279	1171	1146
1500	607	666	668	798	1168	1212	1085
1600	672	738	716	884	1110	1043	1060
1700	929	968	868	1110	995	915	1029
1800	975	1112	1094	1009	852	598	968
1900	863	906	890	952	753	471	835
2000	826	778	1008	1034	821	406	876
2100	562	507	782	702	569	307	727
2200	329	363	406	397	365	254	439
2300	190	75	251	249	272	180	234
2400	120		131	223	194	123	164

Hourly Traffic Volumes

Number # 2

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	106				181		
0200	66				115		
0300	34				73		
0400	25				50		
0500	19				31		
0600	28				28		
0700	35				23		
0800	147				48		
0900	263				114		
1000	526				224		
1100	914				461		
1200	1002				746		
1300	1101				956		
1400	1050			978	972		
1500	976			990	1090		
1600	862			937	981		
1700	84			825	826		
1800				896	731		
1900				683	574		
2000				657			
2100				593			
2200				358			
2300				222			
2400				155			

Hourly Traffic Volumes

Number # 3

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100		85	101	107	149	128	63
0200		57	51	45	117	86	24
0300		22	20	21	64	79	18
0400		16	17	28	56	49	6
0500		20	17	23	28	34	8
0600		20	16	12	15	11	17
0700		73	60	47	29	18	47
0800		303	264	268	131	56	281
0900		273	287	305	147	61	320
1000		229	232	240	186	101	254
1100		213	191	246	297		241
1200		273	246	292	475		295
1300		312	283	367	556	353	292
1400		270	253	301	467	424	246
1500	113	284	243	327	508	537	287
1600	474	437	431	491	478	386	397
1700	755	747	703	749	426	339	690
1800	803	760	770	786	329	266	827
1900	350	397	398	469	340	191	471
2000	247	233	283	335	224	171	306
2100	234	209	196	273	194	171	206
2200	239	239	216	217	173	144	219
2300	182	190	214	200	156	119	166
2400	174	178	174	236	192	114	170

Hourly Traffic Volumes

Number # 3

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	108	138		175	58		
0200	43	41		59	10		
0300	19	29		36			
0400	21	17		24			
0500	11	17		22			
0600	10	9		8			
0700	46	44		29			
0800	252	245		231			
0900	308	343		345			
1000	227	240		265			239
1100	224	215		371			372
1200	281	247		280			302
1300	287	305		336			612
1400	235	237		341			590
1500	292	294		339			619
1600	400	405	337	518			519
1700	631	714	617	806			636
1800	902	871	959	795			647
1900	396	477	421	430			402
2000	263	244	304	339			246
2100	203	207	229	275			233
2200	189		220	210			159
2300	186		168	96			126
2400	144		145	134			135

Hourly Traffic Volumes

Number # 3

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	97				130		
0200	53				63		
0300	33				55		
0400	13				30		
0500	19				29		
0600	16				15		
0700	53				23		
0800	165				71		
0900	164				79		
1000	206				112		
1100	285				173		
1200	408				284		
1300	532				328		
1400	463			336	325		
1500	361			422	375		
1600	457			417	402		
1700				579	393		
1800				597	291		
1900				345	289		
2000				246			
2100				234			
2200				168			
2300				164			
2400				157			

Hourly Traffic Volumes

Number # 4

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100		22	31	36	76	30	10
0200		13	16	15	57	39	3
0300		13	17	7	32	14	6
0400		5	10	9	32	8	4
0500		11	18	14	25	11	4
0600		10	13	12	21	6	4
0700		32	27	26	25	9	8
0800		55	160	147	77	25	72
0900		193	209	192	176	39	139
1000		379	365	387	539	109	280
1100		605	542	702	928	337	494
1200		653	622	772	948	625	458
1300		721	726	779	913	814	662
1400		635	709	725	938	830	641
1500		541	604	703	876	806	488
1600	530	546	566	663	858	725	399
1700	583	613	697	757	595	482	452
1800	638	622	719	842	616	287	476
1900	657	655	784	923	619	128	598
2000	643	650	820	977	566	55	651
2100	329	344	492	632	331	36	310
2200	164	143	167	246	133	51	88
2300	88	83	84	131	50	16	27
2400	48	57	51	94	45	12	14

Hourly Traffic Volumes

Number # 4

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	6	5		38	53	51	31
0200	1	3		24	58	43	19
0300	1	0		11	21	36	12
0400	5	1		12	17	30	10
0500	4	0		8	20	21	11
0600	2	0		12	17	13	15
0700	13	2		24	17	12	20
0800	88	39		96	48	21	97
0900	86	90		149	134	19	
1000	287	186		384	375	101	
1100	396	329		558	575	382	
1200	414	385		588	565	559	
1300	478	386		585	561	649	
1400	421	360		517	609	681	
1500	311	284		527	607	646	
1600	335	254		573	657	644	
1700	425	341		547	603	568	
1800	437	353	607	597	543	311	
1900	468	407	631	591	483	214	
2000	458	423	698	649	553	168	
2100	207	213	474	473	340	119	
2200	60	41	175	185	156	68	
2300	8	3	64	81	71	52	
2400	7	0	51	68	59	41	

Hourly Traffic Volumes

Number # 5

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100		15	30	34		5	24
0200		8	14	7		1	14
0300		7	17	12		1	8
0400		3	8	4		2	4
0500		7	8	8		4	8
0600		7	9	10		1	9
0700		21	19	19		8	16
0800		94	88	80		65	78
0900		158	146	132		67	126
1000		272	239		119	236	235
1100		415	402		287	443	472
1200		460	425		267	447	398
1300		470	427		376	520	434
1400		441	363		374	448	131
1500		387	353		393	352	92
1600	381	382	334		405	375	90
1700	403	393	356		470	474	122
1800	432	413	381		499	482	161
1900	461	468	393		500	552	162
2000	461	455	381		587	555	239
2100	254	263	335		320	321	199
2200	126	106	145		118	127	
2300	60	66	63		43	35	
2400	29	37	32		9	34	

Hourly Traffic Volumes

Number # 5

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100						43	38
0200						33	29
0300						14	17
0400						13	16
0500						12	14
0600						13	5
0700						7	10
0800						40	13
0900						112	11
1000						344	51
1100					367	530	193
1200					413	497	398
1300					513	467	573
1400					450	542	599
1500					476	505	576
1600					519	650	516
1700					431	554	353
1800					476	498	167
1900					492	465	76
2000					506	533	41
2100					417	323	38
2200					152	153	10
2300					62	60	11
2400					51	44	6

Hourly Traffic Volumes

Number # 5

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	4	12					
0200	1	8					
0300	1	2					
0400	1	2					
0500	0	1					
0600	0	4					
0700	5	9					
0800	21	47					
0900	64	94					
1000	156	226					
1100	363	401					
1200	412	348					
1300	385	351					
1400	368	414					
1500	344	424					
1600	428	330					
1700	420	177					
1800	435						
1900	386						
2000	490						
2100	391						
2200	131						
2300	19						
2400	26						

Hourly Traffic Volumes

Number # 6

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100				1	5	3	0
0200				0	1	2	1
0300				0	1	1	0
0400				0	1	1	1
0500				1	1	1	0
0600				0	1	0	0
0700				7	0	2	3
0800				31	9	3	29
0900				97	60	52	68
1000				95	67	39	82
1100				68	79	22	90
1200				59	119	57	89
1300			86	113	85	28	99
1400			82	105	81	63	78
1500			71	87	89	62	73
1600			67	64	92	56	90
1700			74	88	50	42	99
1800			88	86	36	37	64
1900			83	70	27	46	72
2000			44	62	21	18	51
2100			68	75	22	10	73
2200			52	46	32	5	34
2300			14	24	15	6	8
2400			6	15	9	0	2

Hourly Traffic Volumes

Number # 6,6A

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100			3	3	30	0	0
0200			1	3	9	0	0
0300			0	1	2	1	0
0400			1	2	1	1	0
0500			1	2	2	0	0
0600			1	2	2	3	0
0700			9	26	1	1	5
0800			20	101	32	3	14
0900			75	207	141	2	31
1000			105	179	118	17	79
1100			52	184	211	68	246
1200			54	194	311	251	543
1300			106	247	267	353	713
1400			78	203	217	425	703
1500			74	193	275	509	
1600			60	220	166	671	
1700			80	233	166	743	
1800			187	234		531	
1900			255	204		395	
2000			114	157		114	
2100			173	192		70	
2200			94	103		62	
2300			39	30		9	
2400			15	45		3	

Hourly Traffic Volumes

Number # 7

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100				35	52	12	0
0200				8	35	10	2
0300				0	14	1	0
0400				0	12	1	0
0500				2	1	2	2
0600				1	0	0	0
0700				4	1	0	2
0800				34	6	2	35
0900				34	49	28	42
1000				66	106	40	79
1100				109	134	57	111
1200				178	228	102	204
1300			149	136	163	182	145
1400			105	137	169	165	115
1500			121	129	189	197	133
1600			89	152	144	124	154
1700			148	187	99	80	148
1800			110	175	100	113	153
1900			157	116	69	35	119
2000			96	118	53	21	80
2100			110	158	51	39	134
2200			67	68	38	44	79
2300			43	40	19	23	33
2400			108	86	36	4	101

Hourly Traffic Volumes

Number # 7,7A

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	36	49	25	59	81		
0200	11	13	11	22	56		
0300	0	0	1	1	47		
0400	0	1	0	0	8		
0500	1	4	0	2	10		
0600	4	0	0	0	0		
0700	1	2		7	0		
0800	48	39		33	12		
0900	51	56		88	52		
1000	72	68		134	121		
1100	88	109		195	184		
1200	165	147		264	331		
1300	155	111		209	263		
1400	128	107		190	229		
1500	122	136		200	279		
1600	106	151		288	168		
1700	169	145		279			
1800	150	140	236	245			
1900	99	162	227	169			
2000	61	63	127	132			
2100	121	128	176	230			
2200	54	97	131	141			
2300	31	33	55	32			
2400	88	75	133	133			

Hourly Traffic Volumes

Number # 8

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100			0	1	3	0	0
0200			0	0	0	3	0
0300			0	0	0	0	0
0400			0	0	1	0	0
0500			1	1	0	1	0
0600			0	0	0	0	0
0700			4	5	0	0	3
0800			12	21	2	1	17
0900			33	45	24	5	34
1000		8	26	54	34	36	43
1100		22	24	33	40	17	41
1200		31	24	26	44	13	42
1300		35	34	41	39	14	50
1400		33	40	42	35	27	34
1500		25	31	38	52	27	36
1600		29	32	26	27	17	31
1700		33	28	37	19	21	35
1800		16	32	24	16	19	11
1900		27	31	26	5	20	23
2000		18	17	21	12	8	11
2100		19	19	22	4	5	19
2200		10	15	14	7	6	5
2300		5	5	12	11	1	3
2400		1	5	6	1	0	0

Hourly Traffic Volumes

Number # 8

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	0		0				
0200	0		0				
0300	0		0				
0400	0		0				
0500	1		0				
0600	1		0				
0700	2		0				
0800	14		0				
0900	45		0				
1000	42		0				
1100	44		0				
1200	30		0				
1300	52		0				
1400	30	14	0				
1500	26	24	0				
1600	26	23	0				
1700	39	43	0				
1800	18	22	1				
1900	20	23	2				
2000	21	10	0				
2100	21	16	12				
2200	6	10	19				
2300	0	5					
2400		0					

Hourly Traffic Volumes

Number # 9

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100						209	83
0200						160	36
0300						109	18
0400						41	8
0500						32	17
0600						17	19
0700						24	71
0800						51	389 *
0900						60	373 *
1000						277	354
1100						294	376
1200						463	572
1300						764	587
1400						719	507
1500						859	571
1600						732	708
1700					592	650	1118
1800					493	593	1225
1900					438	481 *	709
2000					486	325 *	577
2100					340	368 *	545
2200					467	269	533
2300					298	203	314
2400					292	155	207

Hourly Traffic Volumes

Number # 9

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	126	152		172	261	290	116
0200	53	61		63	131	160	78
0300	17	28		38	76	84	38
0400	25	19		25	49	67	20
0500	12	11		27	46	28	19
0600	15	10		17	18	22	22
0700	75	72		110	52	35	71
0800	303	344		428	145	103	292
0900	381	398		385	211	98	245
1000	309	336		378	292	249	371
1100	355	365		457	593	362	672
1200	524	523		628	782	563	928
1300	402	579		648	960	777	958
1400	544	563		667	833	705	922
1500	541	581		641	783	694	937
1600	742	770	636	886	852	693	975
1700	1069	1139	1300	1411	750	676 *	1104
1800	1289	1201 *	1286	1291	766	636	1133
1900	592 *	728	664	813	674	593	726
2000	546	518	631	720	603	409	613
2100	543	478	575	623	521	399	562
2200	498	556	572	589 *	579	353 *	587
2300	342		322	370	370	251	307
2400	223		283	357	329	239	252

Hourly Traffic Volumes

Number # 9

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	157			132	193		
0200	81			69	91		
0300	40			41	87		
0400	13			28	39		
0500	21			16	30		
0600	20			16	28		
0700	62			58	46		
0800	192			244	104		
0900	268			233	112		
1000	345		225	268	209		
1100	550		470	432	374		
1200	774		617	643	570		
1300	973		724	673	706		
1400	898		661	665	640		
1500	772		680	731	713		
1600	750		813	790			
1700			1023	1022			
1800			1026	993			
1900			532	657			
2000			471	527			
2100			454	537			
2200			363	431			
2300			273	271			
2400			248	250			

Hourly Traffic Volumes

Number # 10

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100			54	78	111	159	58
0200			49	48	103	147	38
0300			25	27	59	73	22
0400			18	11	36	32	15
0500			31	32	36	19	29
0600			64	57	50	20	40
0700			470	463	220	72	329
0800			1187	1182	329	82	1138
0900			905	917	516	163	953
1000			524	583	673	469	527
1100			461	550	583	536	529
1200		499	474	412	707	509	566
1300		549	559	619	775	667	581
1400		543	522	593	755	707	607
1500		532	516	621	820	730	596
1600		564	600	650	535	666	614
1700		735	677	812	474	582	769
1800		581	605	701	615	553	652
1900		671	676	741	608	484	725
2000		509	570	680	574	338	434
2100		322	334	442	422	177	334
2200		232	223	339	253	186	192
2300		243	235	323	254	208	194
2400		118	112	145	224	161	110

Hourly Traffic Volumes

Number # 10

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	31	61		59	168	157	100
0200	34	33		49	89	130	34
0300	21	12		16	39	55	17
0400	14	21		16	34	24	12
0500	40	24		35	35	21	31
0600	91	51		60	53	35	54
0700	605	438		443	194	95	286
0800	1283	1186		1177	261	111	866
0900	826	920		932	425	290	749
1000	545	585		658	609	484	679
1100	520	506		594	682	562	797
1200	549	555		611	726	503	788
1300	445	632		674	695	656	859
1400	519	574		630	772	614	932
1500	579	598		701	757	659	919
1600	600	614	567	730	684	593	811
1700	734	778	748	843	633	583	717
1800	612	500	436	682	527	481	618
1900	641	635	667	790	634	487	603
2000	527	369	603	582	549	345	514
2100	346	244	351	460	403	260	381
2200	222	195	311	395	289	240	297
2300	260	125	276	310	232	229	230
2400	135		140	233	247	155	162

Hourly Traffic Volumes

Number # 10

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	89			86	134		
0200	49			60	76		
0300	19			27	32		
0400	11			15	17		
0500	22			30	20		
0600	37			70	44		
0700	200			291	159		
0800	631			705	220		
0900	609			647	336		
1000	616		470	483	422		
1100	731		594	577	513		
1200	715		610	617	622		
1300	748		672	667	637		
1400	733		718	784	686		
1500	652		707	679	588		
1600	534		597	644			
1700			673	636			
1800			505	566			
1900			494	552			
2000			466	438			
2100			325	337			
2200			212	246			
2300			195	232			
2400			134	189			

Hourly Traffic Volumes

Number # 11

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100				1	8	5	5
0200				2	8	3	0
0300				0	0	1	0
0400				0	0	2	0
0500				2	3	3	7
0600				0	1	1	0
0700				1	0	2	1
0800				4	5	3	4
0900				14	23	9	9
1000				19	41	19	26
1100				72	106	43	63
1200				133	181	72	127
1300				118	177	120	143
1400			132	146	165	140	151
1500			141	158	172	131	131
1600			105	125	175	157	124
1700			109	136	166	123	128
1800			129	173	165	107	114
1900			99	104	151	67	123
2000			142	126	116	24	138
2100			149	136	146	12	159
2200			142	158	152	10	131
2300			20	32	24	4	15
2400			4	11	9	4	3

Hourly Traffic Volumes

Number # 11

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	1	0	0				
0200	0	0	4				
0300	0	0	0				
0400	0	0	0				
0500	1	0	5				
0600	0	0	3				
0700	1	0					
0800	4	1					
0900	9	22					
1000	20	39					
1100	50	106					
1200	118						
1300	125		120				
1400	132	168	156				
1500	100	131	162				
1600	149	137	136				
1700	95	128	169				
1800	173	104	118				
1900	144	118	108				
2000	123	129	194				
2100	154	123	189				
2200	130	112	119				
2300	10	12					
2400	4	3					

Hourly Traffic Volumes

Number # 12

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100					91	58	31
0200					44	59	16
0300					86	33	13 *
0400					112	19 *	7
0500					14	26	15
0600					21	13	17
0700					36	27 *	64
0800					61	44	145
0900					110	60	131
1000					213	152	230*
1100					348	227	257
1200					668	341	463
1300					803	609 *	542
1400					850	752	610
1500					707	895	676 *
1600					956	936	553
1700				614	951	985	647
1800				620	845 *	855	614
1900				468	696	597	579 *
2000				648	626	127	615
2100				801	696	90	742
2200				896	726	64	570
2300				152	148	62	117
2400				135	87	33	44

Hourly Traffic Volumes

Number # 12

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	20 *	21		38			
0200	17	26		35			
0300	13 *	20		18			
0400	12	16		19			
0500	13 *	12		14			
0600	15	16 *		19			
0700	65 *	56		85			
0800	151	166 *		135			
0900	129	147 *		170			
1000	146	165		202			
1100	242	264		362			
1200	372	422		497			
1300	502	590	411	636			
1400	549	598	456	583			
1500	503 *	646	557	642			
1600	511 *	520	456	551			
1700	566	537	579	645			102
1800	563	567	587	522			15
1900	501	542	529	503			36
2000	597	606	602	558			53
2100	665	584	681	714			71
2200	515	566	738	806			212
2300	149	154	115	121			86
2400	91	108	54				26

Hourly Traffic Volumes

Number # 12

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	58						
0200	75						
0300	96						
0400	3						
0500	15						
0600	28						
0700	46						
0800	99						
0900	71						
1000	100						
1100	298						
1200	425		438				
1300	331		488				
1400	352		509				
1500	212		487				
1600	20						
1700							
1800							
1900							
2000							
2100							
2200							
2300							
2400							

Hourly Traffic Volumes

Number # 13

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100			39	37	62	69	32
0200			23	25	73	71	10
0300			18	7	41	40	12
0400			11	14	44	35	8
0500			20	12	35	33	13
0600			15	14	19	19	13
0700			30	29	33	28	27
0800			169	169	104	54	159
0900			186	242	253	77	284
1000			439	502	695	221	419
1100			629	718	1095	691	769
1200			689	823	1171	1022	780
1300		776	753	828	1134	1329	852
1400		706	716	743	1152	1366	816
1500		589	612	737	1136	1337	705
1600		609	618	709	1113	1062	681
1700		691	722	931	954	785	814
1800		694	707	894	868	457	858
1900		746	826	984	840	233	969
2000		718	850	1081	803	114	1062
2100		412	505	715	481	129	556
2200		183	214	267	255	107	197
2300		100	92	164	111	60	80
2400		90	88	130	104	51	80

Hourly Traffic Volumes

Number # 13

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	24	56	30	50		91	46
0200	23	26	34	35		45	28
0300	9	12	15	24		41	16
0400	14	9	13	10		46	18
0500	17	15	19	12		27	19
0600	17	13	19	11		18	25
0700	32	24	33	31		27	36
0800	156	147		143		40	171
0900	215	247		253		48	291
1000	488	521		546	974	314	725
1100	790	854		906	1080	860	1192
1200	804	917		887	1165	1025	1203
1300	925	954		909	1201	1159	1199
1400	791	868	783	827	1236		1062
1500	635	693	652	806	1125		1013
1600	671	770	697	898	1063	1043	813
1700	922	912	855	981	949	875	337
1800	892	946	978	930	633	519	346
1900	1006	1064	1164	988	863	359	325
2000	980	823	1286	1108	875	282	409
2100	583	541	743	791	519	193	195
2200	206	278	259	300	264	118	
2300	64	92	93	117	117	84	
2400	73	65	80	105	98	82	

Hourly Traffic Volumes

Number # 13

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100					74		
0200					58		
0300					46		
0400					24		
0500					26		
0600					14		
0700					16		
0800					63		
0900					152		
1000					396		
1100					667		
1200					929		
1300					926		
1400				752	1096		
1500				965	1032		
1600				867	832		
1700				804	727		
1800				627	531		
1900				638			
2000				599			
2100				415			
2200				154			
2300				91			
2400				103			

Hourly Traffic Volumes

Number # 14

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100			24	16	44	55	37
0200			27	20	60	50	14
0300			16	16	35	30	13
0400			9	2	23	25	8
0500			7	16	22	28	22
0600			22	22	23	14	16
0700			71	58	37	31	61
0800			162	161	56	43	145
0900			173	189	143	83	178
1000			171	224	280	204	202
1100			328	399	569	156	372
1200			409	558	816		543
1300			550	688	1031	683	751
1400		711	717	871	1156	961	694
1500		745	688	703	1107	1122	781
1600		597	687	583	1301	1041	570
1700		607	616	867	1048	1273	836
1800		481	701	749	1140	931	712
1900		611	459	825	713	720	689
2000		556	769	756	771	131	739
2100		813	897	1030	777	98	918
2200		705	778	1216	754	55	911
2300		136	122	205	138	62	200 *
2400		60	47	128	98	26	48 *

Hourly Traffic Volumes

Number # 14

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	24 *	20 *	6	36 *	64 *		
0200	21 *	25 *	0	45 *	65 *		
0300	15 *	24 *		13 *	35 *		
0400	9 *	17 *		19	27		
0500	17 *	11 *		3 *	26 *		
0600	16 *	17 *		19 *	36		
0700	67 *	63 *		83 *	47 *		
0800	189 *	197 *		151	49 *		
0900	176 *	184 *					
1000	235 *	221 *			303		
1100	380 *	417 *		513 *	582		
1200	397 *	664 *		649	846		
1300	797 *			767			
1400	903 *	731	720	761	1143		
1500	859 *	774	712	792	1094		
1600	795 *	780 *	747	728	1288		
1700	674	713	727	912			1265
1800	650	718	817				935
1900	747 *	659	546	776			892
2000	574	769	781	740			880
2100	833 *	675	955				1091
2200	136	981 *	1034 *	1126			1192
2300	56 *	146 *	164	214			156
2400	20 *	61 *	45 *	89 *			49

Hourly Traffic Volumes

Number # 14

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	43	29	24	35			
0200	34	29	11	29			
0300	20	9	1	17			
0400	8	0	2	11			
0500	7	8	11	9			
0600	18	4	17	10			
0700	33	13	29	38			
0800	98	19	95	75			
0900	173	12	114	94			
1000	247	46	188	198			
1100	661	49		388			
1200	988	71	689	568			
1300	1117	48	916	908			
1400	1039	67	763				
1500	1130	72	1047	1134			
1600	848	64	1203	1171			
1700	743	80	865	1117			
1800	274	59	793	751			
1900	92	82	603	622			
2000	67	49	577	563			
2100	43	10	594				
2200	53	62	558				
2300	52	39	105				
2400	28	47	81				

Hourly Traffic Volumes

Number # 15

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100				11	18	10	20
0200				8	13	13	5
0300				0	3	2	2
0400				0	2	2	1
0500				1	4	3	3
0600				3	4	0	4
0700				10	5	3	6
0800				26	15	20	32
0900				55	66	46	62
1000				123	218	83	129
1100				330	470	209	277
1200				585	796	384	409
1300			421	535	936	643	700
1400			661	809	927	867	645
1500			744	657	611	973	800
1600			636	716	930	987	580
1700			625	793	891	977	722
1800			600	757	702	953	747
1900			394	524	647	648	692
2000			712	742	487	75	754
2100			866	984	778	40	990
2200			830	731	915	35	893
2300			56	144	160	31	130
2400			16	48	47	12	18

Hourly Traffic Volumes

Number # 15

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	6	2	2	7	24	16	0
0200	6	10	4	8	6	7	1
0300	3	0	0	1	6	1	0
0400	1	0	0	0	0	2	0
0500	2	2	0	3	6	2	2
0600	3	4	0	4	6	2	2
0700	5	9		7	8	2	7
0800	20	9		24	7	7	24
0900	38	48		52	51	9	82
1000	111	107		123	222	43	228
1100	242	293		363	520	158	672
1200	501	454		698	822	468	1210
1300	527	655		823	1004	788	1169
1400	701	743	671	825	1106	1007	1221
1500	608	822	775	863	1041	1228	1182
1600	532	689	662	755	1264	1184	1232
1700	668	692	750	866	1082	1167	1084
1800	681	758	907	853	1222	1125	1315
1900	578	645	695	688	924	752	944
2000	699	774	695	756	849	247	1173
2100	778	806	1045	1009	885	185	1287
2200	856	752	1187	1003	894	118	1187
2300	102	104	133	229	132	25	115
2400	20	30	10	28	16	15	41

Hourly Traffic Volumes

Number # 15

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	15				14		
0200	4				9		
0300	3				3		
0400	1				0		
0500	0				1		
0600	7				7		
0700	2				5		
0800	44				9		
0900	84				37		
1000	245			135	121		
1100	818			432	372		
1200	1154			757	683		
1300	1242			937	848		
1400	1277			1013	950		
1500	1048			1212	1135		
1600	1069			1133	1146		
1700	1064			1116	1105		
1800	550			876	862		
1900	33			715			
2000	8			667			
2100				886			
2200				475			
2300				49			
2400				12			

Hourly Traffic Volumes

Number # 16

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100				10	8	9	2
0200				1	5	4	0
0300				0	4	0	0
0400				2	1	3	0
0500				5	4	2	8
0600				11	11	7	9
0700				6	9	14	6
0800				73	56	29	65
0900				184	214	61	226
1000				416	622	159	398
1100				693	1066	589	723
1200			579	751	1180	929	757
1300			669	770	1064	1147	801
1400			665	701	1086	1239	793
1500			540	669	1052	1211	606
1600			535	667	1101	954	523
1700			582	793	786	674	703
1800			585	804	715	336	708
1900			773	815	743	156	724
2000			847	1018	721	45	1019
2100			441	728	411	30	599
2200			115	182	173	31	125
2300			15	55	41	10	11
2400			7	30	19	2	5

Hourly Traffic Volumes

Number # 16

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	2	7	0	1			0
0200	1	3	4	4			0
0300	0	0	1	3			1
0400	1	0	1	0			0
0500	6	7	7	0			14
0600	13	7	11	5			9
0700	8	4	12	0			9
0800	66	63	59				82
0900	174	194	185				209
1000	405	421	382				654
1100	603	719	617				1202
1200	607	724	589				113
1300	688	823	739			574	
1400	670	770	701			1157	
1500	412	585	495			1119	
1600	415	623	594			984	
1700	724	730	721			805	
1800	573	795	801			284	
1900	849	897	856			226	
2000	842	731	1110			161	
2100	472	414	415			111	
2200	126	135	184			31	
2300	19	23	26			11	
2400	3	6	5			6	

Hourly Traffic Volumes

Number # 16

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100					4		
0200					2		
0300					1		
0400					0		
0500					1		
0600					8		
0700					6		
0800					34		
0900					113		
1000					404		
1100					685		
1200					961		
1300					927		
1400					1134		
1500					1026		
1600					847		
1700					713		
1800				613	504		
1900				635			
2000				647			
2100				392			
2200				77			
2300				22			
2400				4			

Hourly Traffic Volumes

Number # 17

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100					5	5	20
0200					1	0	0
0300					0	0	1
0400					0	3	1
0500					3	2	9
0600						4	5
0700						15	5
0800						48	40
0900						86	25
1000						200	203
1100						437	196
1200						610	265
1300						749	445
1400						888	456
1500					304	951	460
1600				117	798	859	341
1700				378	627	681	385
1800				283	589	529	340
1900				349	364	323	367
2000				461	463	29	404
2100				444	419	15	330
2200				378	405	16	82
2300				31	51	14	10
2400				3	10	4	1

Hourly Traffic Volumes

Number # 17

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	0		0		11		1
0200	0		6		3		0
0300	0		0		3		0
0400	0		0		0		0
0500	4		5		2		3
0600	4				4		0
0700	0				5		0
0800	0				18		0
0900	0				64		0
1000				288	185		180
1100				287	357		417
1200			170		511	341	572
1300		463	357		563	484	683
1400		394	385		577	584	687
1500		418	395	408	578	687	
1600		369	361	481	577	908	806
1700		418	420	437	475	550	475
1800		419		440	388	415	545
1900		380		400		245	396
2000		311		399		93	480
2100		122		472		86	475
2200		199		327		63	370
2300		5		48		7	33
2400		4		10			11

Hourly Traffic Volumes

Number # 17

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	0	0	0		5		
0200	0	0	0		2		
0300	0	0	0		0		
0400	0	0	0		1		
0500	3	0	0		0		
0600	7	0	0		3		
0700	2	0	0		2		
0800	51	0	0		17		
0900	222	0	0		35		
1000	299	0	0		164		
1100	475	2	320		209		
1200	576	4	480		360		
1300	557	3	675		408		
1400	468	2	556		483		
1500	168	3	583		604		
1600	312	3		136			
1700	276	5	408	467			
1800	26	4		349			
1900	2	9		335			
2000	0	0		256			
2100	0	0		263			
2200	0	0		167			
2300	0	0		14			
2400	0	0					

Hourly Traffic Volumes

Number # 18

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100				0	1	0	2
0200				0	2	0	0
0300				0	0	0	5
0400				0	0	2	0
0500				2	2	1	6
0600				8	4	5	4
0700				3	5	15	3
0800				32	18	32	30
0900				69	58	48	74
1000				147	227	127	126
1100				135	211	269	137
1200			129	177	202	325	136
1300			167	170	248	355	160
1400			139	121	197	313	116
1500			108	156	210	291	121
1600			116	133	193	250	101
1700			122	179	159	181	138
1800			123	161	144	119	156
1900			156	166	130	59	163
2000			153	187	119	5	174
2100			109	126	77	3	114
2200			52	57	51	6	34
2300			3	7	2	2	4
2400			0	3	3	1	1

Hourly Traffic Volumes

Number # 18

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	0	1	0	1	5		
0200	1	0	5	0	1		
0300	0	0	0	0	1		
0400	0	0	0	0	0		
0500	3	3	0	7	1		
0600	4	3		5	3		
0700	1	2		2	5		
0800	21	19		31	14		
0900	60	55		63	46		
1000	109	100		145	141		
1100	110	135		164	199		
1200	137	141		158	230		
1300	154	163		203	175		
1400	128	146	133	152	190		
1500	117	112	105	137	141		
1600	108	120	133	157	162		
1700	142	135	178	156	128		
1800	167	153	149	159			
1900	145	165	170	167			
2000	144	109	132	157			
2100	99	55	88	111			
2200	34	35	40	61			
2300	6	2	2	8			
2400	1	0	0	1			

Hourly Traffic Volumes

Number # 19

Hrs.	12/10	12/11	12/12	12/13	12/14	12/15	12/16
0100				119	250	223	87
0200				89	167	197	54
0300				44	99	100	29
0400				16	65	51	21
0500				48	57	49	50
0600				81	76	35	69
0700				537	268	108	504
0800				1424	417	148	1456
0900				1039	586	312	1054
1000				650	766	608	519
1100				734	1008	645	682
1200				904	1202	702	967
1300				1053	1381	1115	1000
1400			966	1144	1423	1266	1115
1500			1036	1146	1536	1482	1233
1600			1052	1132	1465	1447	1165
1700			1164	1369	1487	1511	1368
1800			1069	1263	1403	1362	1155
1900			1015	1263	1222	1034	1120
2000			1023	999	1050	442	998
2100			928	1174	1035	330	1139
2200			640	1207	978	248	904
2300			357	465	380	303	319
2400			224	347	321	155	225

Hourly Traffic Volumes

Number # 19

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100	76	111		130	259		137
0200	58	64		99	182	199	74
0300	40	31		22	91	102	37
0400	25			43	54	59	27
0500	44			46	55	46	35
0600	71			74	77	57	78
0700	501			526	244	123	331
0800	1401			1446	308	130	1000
0900	1007	1129		1123	504	285	1017
1000	698	701		780	720	575	781
1100	627	714		772	947	602	1047
1200	898	941		1077	1188	645	1430
1300	1022	1042		1146	1342	1034	1558
1400	1085	1097		1158	1059	1097	1612
1500	1200	1221		1311	1161	1360	1587
1600	1098	1178		1273	1501	1422	1678
1700	1275	1000		1099	1494	1419	1634
1800	1161	1192	1181	1048	1358	1312	1346
1900	1081	1153	1073	1245	1341	1102	1104
2000	1013	1122	1069	1107	1079	584	1078
2100	967	703	1075	1173	1083	434	1091
2200	974	1010	1088	1335	1068	375	1119
2300	516	392	445	488	399	304	362
2400	225		233	362		191	271

Hourly Traffic Volumes

Number # 19

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	160				199		
0200	133				134		
0300	48				61		
0400	18				38		
0500	33				35		
0600	53				55		
0700	225				181		
0800	724				252		
0900	521				360		
1000	675				467		
1100	1050				615		
1200	1341		968		932		
1300	1046		665		1100		
1400	1518		447		1147		
1500	1345			839	1186		
1600				1241	1263		
1700				1314	1246		
1800				1073			
1900				957			
2000				822			
2100				807			
2200				632			
2300				297			
2400				283			

Hourly Traffic Volumes

Number # 20

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100		42	15	34	69	30	7
0200		14		2	42	6	2
0300		4		2	31	2	1
0400		0		0	6	5	2
0500		4		4	5	4	2
0600		1		3	2	0	1
0700		3		16	1	1	2
0800		50		57	9	3	10
0900		85		142	90	6	61
1000	144	137		135	73	33	100
1100	64	96		96	69	44	109
1200	177	132		161	169	45	223
1300	132	186		150	161	111	216
1400	116	128		138	139	105	136
1500	126	119		107	231	80	196
1600	124	201		162	144	148	155
1700	133	236	234	156	93	74	138
1800	131	144	156	167	116	105	149
1900	185	216	172	157	85	111	130
2000	64	66	88	85	52	55	62
2100	167	190	193	170	77	55	181
2200	97	101	83	134	60	40	99
2300	52	53	42	36	31	51	36
2400	44	78	86	85	50	22	105

Hourly Traffic Volumes

Number # 20

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	30	0	0	11	75		
0200	15	0	0	2	18		
0300	1	0	0	2	15		
0400	1	0	0	2	5		
0500	6	0	2	0	5		
0600	3	0	0	0	6		
0700	7	0	0	3	0		
0800	35	0	4	16	17		
0900	49	1	6	30	123		
1000	63	0	4	55	83		
1100	108	0	17	40	89		
1200	172	0	8	79	279		
1300	138	0	173	48	87		
1400	112	0	189	27	211		
1500	98	4	179	17	218		
1600	88	0	169	14	94		
1700	67	2	161	45	93		
1800	27	0	147	179			
1900	3	0	153	71			
2000	0	3	158	176			
2100	0	2	92	217			
2200	0	0	53	60			
2300	0	0	23	102			
2400	0	0	12	95			

Hourly Traffic Volumes

Number # 21

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100		11	15	11	18	11	6
0200		7	8	2	16	5	4
0300		5	0	3	1	2	1
0400		4	3	0	8	4	1
0500		2	2	1	1	0	0
0600		4	4	4	0	0	0
0700		11	5	3	0	1	9
0800		112	25	60	13	2	57
0900		194	45	101	28	2	96
1000	207	162	44	100	80	26	118
1100	126	175	29	114	128	46	172
1200	204	196	21	144	149	54	204
1300	198	217	58	174	149	115	229
1400	215	185	17	132	158	95	225
1500	202	205	11	135	172	82	230
1600	190	231	45	185	130	87	164
1700	287	233	123	185	108	70	185
1800	264	298	199	156	92	55	169
1900	145	174	113	74	68	86	115
2000	111	132	96	90	54	26	74
2100	87	92	78	99	47	18	86
2200	73	85	65	68	19	8	73
2300	37	51	43	31	16	28	24
2400	30	37	21	16	14	26	19

Hourly Traffic Volumes

Number # 21

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	13	8	12	6	20		
0200	5	2	9	5	13		
0300	8	6	3	2	7		
0400	2	2	2	0	16		
0500	6	0	2	5	2		
0600	5	1	1	6	4		
0700	7	2	0	3	0		
0800	71	6	47	55	3		
0900	72	10	29	72	20		
1000	87	14	108	131	79		
1100	134	12	125	147	93		
1200	135	16	141	229	147		
1300	172	14	146	274	155		
1400	146	14	195	287	167		
1500	113	34	197	282	219		
1600	134	16	201	275	165		
1700	84	13	150	219	175		
1800	54	13	102	228	135		
1900	34	14	97	126			
2000	22	13	77	111			
2100	15	14	60	82			
2200	10	29	37	76			
2300	15	16	29	45			
2400	16	19	23	28			

Hourly Traffic Volumes

Number # 22

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100					2		
0200					0		
0300					1		
0400					0		
0500					0		
0600					2		
0700					4		
0800					13		
0900					56		53
1000					137		53
1100					193		5
1200					233		3
1300					303		9
1400				143	350	233	3
1500				128	261	208	5
1600				143	255	169	
1700				166	137	150	136
1800				129	111	110	134
1900				185	115	48	168
2000				183	7	40	197
2100				112	1	23	113
2200				53	1	15	56
2300				17		6	4
2400				3		9	3

Hourly Traffic Volumes

Number # 22

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	2			8	0		
0200	1			0	2		
0300	0			0	0		
0400	0			0	0		
0500	0			0	0		
0600	0			5	2		
0700	2			5	0		
0800	26			13	8		
0900	81			55	38		
1000	161			143	128		
1100	216		234	177	193		
1200	188		277	219	250		
1300	193		255	213	202		
1400	169		273	317	339		
1500	97		307	245	303		
1600	12		214	227	202		
1700			205	215	227		
1800			148	131	125		
1900			145	147	114		
2000			150	163			
2100			99	84			
2200			18	33			
2300			9	4			
2400			2	4			

Hourly Traffic Volumes

Number # 23

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100							
0200							
0300							
0400							
0500							1
0600							2
0700							6
0800							21
0900							54
1000							149
1100							329
1200							342
1300						222	372
1400						238	358
1500						273	372
1600						190	220
1700						120	168
1800						80	161
1900						37	164
2000						23	172
2100						12	89
2200						9	39
2300						1	6
2400						0	2

Hourly Traffic Volumes

Number # 23

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	2	0	0	0	0		
0200	3	0	0	0	0		
0300	1	0	0	0	0		
0400	0	0	0	0	0		
0500	4	0	2	1	2		
0600	6	0	2	6	6		
0700	4	0	14	9	5		
0800	26	2	19	20	12		
0900	52	0	34	46	34		
1000	138	0	98	87	91		
1100	254	0	170	145	172		
1200	219	0	161	188	215		
1300	258	2	208	212	164		
1400	241	1	225	209	191		
1500	135	9	215	207	203		
1600	111	2	163	158	169		
1700	78	3	130	147	126		
1800	25	3	66	105	87		
1900	7	0	101	84			
2000	2	1	104	89			
2100	1	2	54	57			
2200	0	0	11	10			
2300	1	1	4	1			
2400	0	0	2	5			

Hourly Traffic Volumes

Number # 24

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100							
0200							
0300							
0400							
0500							
0600							
0700							
0800							
0900							
1000							
1100							
1200							
1300							
1400							
1500							
1600							735
1700							715
1800							562
1900							358
2000							402
2100							489
2200							567
2300							45
2400							5

Hourly Traffic Volumes

Number # 24

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	7	3	0	1			
0200	0	0	0	1			
0300	0	1	0	0			
0400	0	0	0	0			
0500	0	0	0	0			
0600	2	0	2	0			
0700	5	0	3	8			
0800	16	1	14	11			
0900	41	2	19	21			
1000	98	0	40	55			
1100	302	0	162	111			
1200	485	1	304	237			
1300	552	1	388	381			
1400	561	3	381	374			
1500	677	0	512	459			
1600	628	3	534	449			
1700	445	2	440				
1800	291	1	342				
1900	26	0	244				
2000	4	0	213				
2100	2	0	301				
2200	0	0	247				
2300	0	0	8				
2400	0	0	0				

Hourly Traffic Volumes

Number # 25

Hrs.	12/17	12/18	12/19	12/20	12/21	12/22	12/23
0100							0
0200							2
0300							1
0400							0
0500							2
0600							4
0700							9
0800							58
0900							92
1000							292
1100							734
1200							713
1300						636	667
1400						645	680
1500						585	575
1600						508	508
1700						383	469
1800						183	416
1900						158	504
2000						89	513
2100						57	313
2200						17	98
2300						4	15
2400						7	13

2. Lane Distribution

Hourly Traffic Volumes

Number # 25

Hrs.	12/24	12/25	12/26	12/27	12/28		
0100	5	2	0	1	4		
0200	3	0	2	4	6		
0300	1	0	0	2	2		
0400	1	0	0	1	2		
0500	0	1	0	1	1		
0600	3	0	3	4	7		
0700	13	0	13	10	2		
0800	50	1	61	42	18		
0900	120	3	96	61	50		
1000	377	0	257	187	170		
1100	548	2	478	316	325		
1200	543	5	444	382	380		
1300	536	3	470	428	439		
1400	547	3	490	461	529		
1500	546	7	405	438	490		
1600	460	9	372	314	392		
1700	308	3	333	288	341		
1800	99	2	296	288	227		
1900	27	5	301	263	234		
2000	10	7	293	290			
2100	4	3	145	126			
2200	4	10	29	47			
2300	3	4	16	16			
2400	3	1	3	9			

Lane Distribution
(from 15 minute intervals)

Date: 12/18/74

Time	U.S. 150 Southbound Lanes					U.S. 150 Northbound Lanes						
	B	%	A	%	Total	E	%	F	%	G	%	Total
1000-1100	19	31.7	41	68.3	60	13	33.3	20	51.3	6	15.4	39
1100-1200	20	31.7	43	68.3	63	39	47.6	26	31.7	17	20.7	82
1200-1300	27	32.1	57	67.9	84	23	25.8	51	57	15	16.9	89
1300-1400	24	30.8	54	69.2	78	21	23.9	28	31.8	39	44.3	88
1400-1500	29	34.9	54	65.1	83	15	19.2	52	66.6	11	14.1	78
1500-1600	39	35.8	70	64.2	109	25	21.4	77	65.8	15	12.8	117
1700-1800	21	28	54	72	75	78	41.3	101	53.4	10	5.3	189
1800-1900	38	40	57	60	95	48	36.1	54	40.6	31	23.3	133
2000-2100	28	66.7	14	33.3	42	15	27.3	30	54.6	10	18.1	55

Lane Distribution
(from 10 minute intervals)

Date: 12/20/74

Time	U.S. 150 Southbound Lanes					U.S. 150 Northbound Lanes						
	A	%	B	%	Total	E	%	F	%	G	%	Total
0800-0900	57	67.9	27	32.1	84	3	7	26	60.5	14	32.5	43
0900-1000	75	76.5	23	23.5	98	9	20.5	30	68.2	5	11.3	44
1000-1100	94	69.8	51	35.2	145	11	18	47	77	3	5	61
1100-1200	140	84.8	25	15.2	165	18	20.5	61	69.3	9	10.2	88
1300-1400	254	81.7	57	18.3	311	55	33.8	84	51.5	24	14.7	163
1400-1500	132	82	29	18	161	34	35.4	49	51	13	13.6	96
1500-1600	86	67.2	42	32.8	128							
1700-1800	82	70.7	34	29.3	116	15	14	80	74.8	12	11.2	107
1800-1900	92	78.6	25	21.4	117	56	40.8	49	35.8	32	23.4	137
2000-2100	117	84.8	21	15.2	138	15	21.1	48	67.6	8	11.3	71
2100-2200	121	61.4	76	38.6	197	21	26.9	35	44.9	22	28.2	78

Lane Distribution
(from 10 minute intervals)

Date: 12/21/74

Time	U.S. 150 Southbound Lanes					U.S. 150 Northbound Lanes						
	A	%	B	%	Total	E	%	F	%	G	%	Total
1000-1100	81	77.9	23	22.1	104	8	12.5	21	32.8	35	54.7	64
1100-1200	118	76.6	46	23.4	154	16	15.4	35	33.7	53	50.9	104
1200-1300	179	77.5	54	22.5	231	22	16.8	82	62.6	27	20.6	131
1300-1400	115	68.9	52	31.1	167	27	20.8	47	36.2	56	42.8	130
1400-1500	212	83.5	42	16.5	254	12	12	80	80	8	8	100
1500-1600	183	85.5	31	14.5	214	15	15.6	65	67.7	16	16.7	96
1600-1700	137	82	30	18	167	5	10	36	72	9	18	50
1700-1800	119	81	28	19	147	19	25	45	59.2	12	15.8	76
1800-1900						48	22.3	93	43.3	74	34.4	215
1900-2000	193	69.2	86	29.8	279	30	18.4	76	46.6	57	35.0	163
2000-2100	113	82.5	24	17.5	137	5	7.8	54	84.4	5	7.8	64
2100-2200	84	80.8	20	19.2	104	7	12.3	47	82.5	3	5.2	57

Lane Distribution
(from 10 minute intervals)

Date: 12/22/74

	U.S. 150 Southbound Lanes					U.S. 150 Northbound Lanes						
Time	A	%	B	%	Total	E	%	F	%	G	%	Total
1200-1300	138	77.5	40	22.5	178	14	11.8	32	26.9	73	61.3	119
1300-1400	172	78.2	48	21.8	220	21	23	28	30.8	42	46.2	91
1400-1500	206	80.8	49	19.2	255	8	8.7	32	34.8	52	56.5	92
1500-1600	231	87.5	33	12.5	264	5	8.2	12	19.7	44	72.1	61
1600-1700	232	84.7	42	15.3	274	9	11.8	20	26.3	37	48.7	76
1800-1900	151	79	40	21	191	6	10.5	16	28.1	35	61.4	57

Lane Distribution
(from 15 minute intervals)

Date: 12/18/74

Time	U.S. 150 Northbound Lanes					U.S. 150 Southbound Lanes				
	L	%	J&K	%	Total	P	%	N	%	Total
0900-1000	19	47.5	21	52.5	40	42	66.7	21	33.3	63
1000-1100	29	52.7	26	47.3	55	55	71.4	22	38.6	77
1100-1200	37	56.9	28	43.1	65	35	62.5	21	37.5	56
1200-1300	33	44	42	56	75	43	71.7	17	29.3	60
1300-1400	14	17.5	66	82.5	80	17	56.7	13	42.3	30
1400-1500	12	37.5	20	62.5	32	26	65	14	35	40
1500-1600	51	40.5	76	59.5	127	48	62.3	29	37.7	77
1600-1700	52	33.8	102	66.2	154	70	68	33	32	103
1700-1800	96	43.6	124	56.4	220	44	58.7	31	41.3	75
1800-1900	45	34.3	67	65.7	102	52	63.4	40	36.6	82
1900-2000	36	43	48	57	84	34	68	16	32	50
2000-2100	38	43.7	49	56.3	87	36	73.5	13	26.5	49

Lane Distribution
(from 10 minute intervals)

Date: 12/20/74

	U.S. 150 Northbound Lanes					U.S. 150 Southbound Lanes				
Time	L	%	J&K	%	Total	P	%	N	%	Total
0900-1000	15	24.6	46	75.4	61	62	73.8	22	26.2	84
1000-1100	12	22.6	41	77.4	53	40	61.5	25	38.5	65
1100-1200	20	16	105	84	125	46	61.3	29	38.7	75
1200-1300	24	23.5	78	76.5	102	52	58.4	37	41.6	89
1300-1400	28	24.1	88	75.9	116	44	67.7	21	32.3	65
1400-1500	17	25.4	50	74.6	67	53	61.6	33	28.4	86
1500-1600	55	45.1	67	54.9	122	61	61.6	38	38.4	99
1600-1700	91	39.2	141	60.8	232	70	61.4	44	28.6	114
1700-1800	46	29.8	108	70.2	154	50	63.3	29	36.7	79
1800-1900	28	25	84	75	112	50	64.9	27	25.1	77
1900-2000	17	19.1	72	80.9	89	48	69.6	21	30.4	69
2000-2100	29	30.5	66	69.5	95	44	71	18	29	62

Lane Distribution
(from 10 minute intervals)

Date: 12/21/74

	U.S. 150 Northbound Lanes					U.S. 150 Southbound Lanes				
Time	L	%	J&K	%	Total	P	%	N	%	Total
0900-1000	5	13.9	31	86.1	36	41	58.6	29	41.3	70
1000-1100	22	29.3	53	70.7	75	52	69.3	23	30.7	75
1100-1200	22	19.1	93	80.9	115	49	71	20	29	69
1200-1300	27	20.8	103	79.2	130	37	54	31	46	68
1300-1400	19	20.2	75	79.8	94	62	55.9	49	44.1	111
1400-1500	25	17.2	120	82.8	145	59	54.6	49	45.4	108
1500-1600	55	44	70	56	125	50	59.5	34	40.5	84
1600-1700	32	29.4	77	70.6	109	48	60	32	40	80
1700-1800	33	25.6	96	74.4	129	45	67.2	22	22.8	67
1800-1900	24	22.6	82	77.4	106	52	62.7	31	37.3	83
1900-2000	19	25.7	55	74.3	74	58	70.7	24	29.3	82
2000-2100	15	18.5	66	81.5	81	28	70	12	30	40
2100-2200	18	11.4	66	78.6	84	25	64	14	36	39

Lane Distribution
(from 10 minute intervals)

Date: 12/22/74

Time	U.S. 150 Northbound Lanes					U.S. 150 Southbound Lanes				
	L	%	J&K	%	Total	P	%	N	%	Total
1100-1200	22	21.8	79	78.2	101	31	70.5	13	29.5	44
1200-1300	35	31	78	69	113	53	59.5	36	40.5	89
1300-1400	30	29.7	71	70.3	101	34	56.6	26	43.3	60
1400-1500	25	22.3	87	87.7	112	52	61.2	33	38.8	85
1500-1600	28	25.7	81	74.3	109	45	64.3	25	35.6	70
1600-1700	29	30.2	67	69.8	96	52	57.1	39	42.9	91
1700-1800	24	24	76	76	100	51	61.4	32	38.6	83
1800-1900	20	22	71	78	91	40	58.8	28	41.2	68

3. Speed Delay

Date: 12/18/74

Speed Delay Data

Leg	Time of Day	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Idle Time(Sec) & Location
10-1	1008	0	18	30	20	38	22	42	28	45	32					
1-7	1012	0	38	4	38	8	25	32	10	37	25	44	30	47	30	7 @ 4
7-10	1016	0	35		38		20	23	18	27	30	32	38	34	40	3 @ 4
10-11	1022	0	20	8	15	11	20	17	22	26	15					
11-1	1117	0	7	12	10	17	15	23	22	30	25	32	30	35	40	
1-10L	1019	0	45	5	35	9	20	17	15	32	5	55	10	65	10	
10-7	1023	0	0	15	0	62	25	65	35	70	40					37 @ 4
7-1	1031	0	35	7	32	11	25	31	15	40	15	60	5			
1-10R	1026	0	50	4	45	7	40	12	15	23	20	31	15	42	15	
10-1	1028	0	0	14	15	17	20	27	15	35	25	42	30	46	35	
1-7	1049	0	5	12	5	14	10	27	15	38	3	54	22	52	30	
7-10	1054	0	24	4	30	8	20	17	2	26	15	42	2	61	5	6 @ 4
10-11	1057	0	5	15	7	21	12	30	0	87	10					27 @ 4
11-1	1102	0	5	7	12	15	22	17	31	21	38					
1-10L	1104	0	40	4	30	9	25	15	20	24	15	32	9	46	5	17 @ 9
10-7	1106	0	10	12	12	17	15	25	0	68	22	74	30	77	35	41 @ 4
7-1	1109	0	32	5	28	9	24	17	14	23	29	26	36	30	40	
1-10R	1112	0	45	3	45	6	20	14	48	23	20	32	15	43	5	8

Date: 12/18/74

Speed Delay Data

Leg	Time of Day	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Idle Time(Sec) & Location
10-1	1305	0	5	9	5	19	20	26	20	31	25	36	35	40	45	
1-7	1230	0	45	4	40	7	30	12	40	16	45	19	45	23	45	
7-10	1235	0	25	3	25	6	30	10	25	18	5	25	20	30	10	
10-11	1240	0	5	10	10	23	20	30	0	86	15					45 @ 4
11-1	1245	0	15	7	0	33	30	36	40	42	40					18 @ 4
1-10L	12:48	0	45	3	43	7	25	0	60	65	25	69	20	74	10	61 @ 4
10-7	1255	0	5	7	15	15	20	23	0	73	25	77	35	83	40	66 @ 4
7-1	1300	0	40	4	40	6	40	10	43	14	45	17	50	20	50	
1-10R	1303	0	40	4	35	9	25	14	20	25	20	31	15	43	15	
10-1	1322	0	5	10	20	15	25	31	25	26	30	30	35	34	40	
1-7	1325	0	45	4	45	7	35	14	25	17	30	20	35	25	40	
7-10	1330	0	35	4	40	7	35	17	0	51	10	65	15	75	0	35 @ 4
10-11	1345	0	4	34	4	39	10	79	10	85	12					45 @ 4
11-1	1415	0														
1-10L	1420	0	34	5	28	10	27	15	22	27	12	35	12	50	10	
10-7	1421	0	0	9	10	14	14	75	10	83	25	87	35	91	40	47 @ 4
7-1	1425	0	32	5	30	10	20	18	20	24	32	27	40	31	45	
1-10R	1427	0	40	5	30	10	20	21	12	32	20	41	14	51	10	

Date: 12/18/74

Speed Delay Data

Leg	Time of Day	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Idle Time(Sec) & Location
10-1	1604	0	5	17	5	24	15	32	21	34		42	25	49	31	
1-7	1607	0	50	6	48	10	47	12	45	15	46	17	48			
7-10	1610	0	35	4	38	9	30	23	19	24	19	38	20			
10-11	1612	0	5	13	10	17	18	36	10	42	15					7 @ 4
11-1	1614	0	10	48	10	57	25	63	32	66	39					35 @ 4
1-10L	1617	0	45	4	44	7	38	14	5	28	22	36	16	45	15	
10-7	1619	0	10	11	12	15	20	63	10	70	22	75	30	80	35	36 @ 4
7-1	1621	0	30	5	30	11	18	34	18	39	30	44	38	48	41	14 @ 4
1-10R	1623	0	42	3	40	7	30	25	3	38	25	44	15	58	18	10 @ 4
10-1	1654	0	6	9	11	14	16	20	20	25	21	30	35	34	40	
1-7	1657	0	43	3	43	7	30	25	5	37	25	40	30	45	35	12 @ 4
7-10	1659	0	35	5	34	11	26	14	15	20	15	26	10	45	4	
10-11	1702	0	2	15	5	20	11	71	10	80	15					48 @ 4
11-1	1704	0	2	16	15		26		30	33	35					9 @ 4
1-10L	1706	0	35	4	30	10	22	16	20	24	20	30	15	47	2	2 @ 10
10-7	1708	0	2	14	8	21	14	121	14	129	20	134	30	219	35	86 @ 4
7-1	1714	0	25	5	24	11	16	48	15	55	25	58	30	63	40	28 @ 4
1-10R	1723	0	34	5	30	11	26	15	19	26	16	31	17	51	12	

Date: 12/18/74

Speed Delay Data

Leg	Time of Day	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Idle Time(Sec) & Location
10-1	1805	0	3	15	6	23	15	31	18	36	21	41	30	44	35	
1-7	1806	0	40	4	42	8	44	12	44	15	45	17	45	20	44	
7-10	1808	0	34	4	32	10	20	30	2	41	10	44	14	66	6	13 @ 4
10-11	1812	0	7	9	11	16	17	29	4	39	5					
11-1	1815	0	0	61	4	61	21	73	30	78	34					51 @ 4
1-10L	1820	0	41	4	38	7	32	13	20	21	16	26	17	43	10	
10-7	1826	0	10	11	12	123	2	126	16	134	26	138	28			127 @ 4
7-1	1831	0	36	3	31	8	20	31	15	36	31	42	35	45	39	
1-10R	1843	0	30	5	24	11	22	16	3	29	20	33	19	52	10	
10-1																
1-7																
7-10																
10-11																
11-1																
1-10L																
10-7																
7-1																
1-10R																

Date: 12/20/74

Speed Delay Data

Leg	Time of Day	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Idle Time(Sec) & Location
10-1	0841	0	10	10	15	15	25	23	27	26	36	31	43	35	46	
1-7	0843	0	50	4	50	7	47	13	45	15	46	19	47	23	45	
7-10	0849	0	40	4	43	10	30	16	11	21	25	26	20	36	19	
10-11	0851	0	15	9	16	14	26	31	15	40	17					13 @ 4
11-1	0853	0	12	39	15	44	32	46	43	52	48					24 @ 4
1-10L	0855	0	48	3	43	9	38	25	12	34	26	40	19	44	17	9 @ 4
10-7	0859	0	12	9	14	15	20	20	17	30	31	35	37	40	40	
7-1	0901	0	41	4	41	9	32	30	17	36	36	41	44	45	47	
1-10R	0904	0	47	4	45	6	36	17	22	23	27	28	21	35	17	
10-1	1305	0	15	9	17	14	18	19	20	26	25	32	35	35	45	
1-7	1307	0	46	4	40	9	28	16	18	20	24	27	25	24	5	
7-10	1311	0	30	4	31	9	30	15	25	22	15	26	16	35	16	
10-11	1312	0	5	30	5	35	10	1.01	11	1.01	5					6 @ 10 10 @ 4
11-1	1314	0	5	9	6	20	25	25	32	30	40					
1-10L	1316	0	25	33	5	73	10	80	15	102	5	154	5	129	5	127 @ 4
10-7	1319	0	2	12	6	17	15	54	10	64	20	69	30	74	36	58 @ 4
7-1	1324	0	30	6	34	9	25	16	20	22	30	27	36	32	36	
1-10R	1326	0	42	3	42	7	30	17	10	38	2	42	19	46	20	8 @ 4

Date: 12/20/74

Speed Delay Data

Leg	Time of Day	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Idle Time(Sec) & Location
10-1	1333	0	10	11	10	20	15	24	18	32	20	34	30	40	40	
1-7	1336	0	40	4	35	11	19	20	19	26	26	32	28	37	27	
7-10	1340	0	30	5	29	14	22	17	18	25	15	37	11	56	3	4 @ 9
10-11	1342	0	5	21	5	26	5	56	10	66	10					12 @ 4
11-1	1344	0	5	6	10	16	25	23	35	27	40					
1-10L	1346	0	44	4	40	10	20	32	15	41	17	46	10	60	5	4 @ 4
10-7	1348	0	5	23	9	29	11	126	5	141	21	144	26	154	26	5 @ 10 120 @ 4
7-1	1352	0	30	6	30	11	25	15	20	20	32	26	40	28	42	
1-10R	1355			0	34	6	25	13	15	24	15	32	15	44	5	
10-1	1622	0	10	8	17	14	26	20	15	34	31	38	43	42	47	
1-7	1625	0	47	4	45	7	33	20	25	26	35	32	38	35	32	
7-10	1628	0	40	4	47	8	33	15	17	20	27	26	19	35	20	
10-11	1629	0	10	28	7	40	3	50	12	60	15					11 @ 9
11-1	1632	0	15	41	15	45	36	50	44	55	46					25 @ 4
1-10L	1635	0	40	35	2	90	30	115	7	140	7	150	17	175	5	15 @ 8 21 @ 1 32 @ 3
10-7	1640	0	10	10	10	17	15	130	15	140	25	150	35	170	38	40 @ 8 52 @ 4
7-1	1645	0	37	10	25	25	13	55	20	65	40	70	46	75	50	22 @ 4
1-10R	1650	0	35	5	30	14	30	50	15	60	25	75	15	85	15	30 @ 4 8 @ 9

Date: 12-20-74

Speed Delay Data

Leg	Time of Day	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Idle Time(Sec) & Location
10-1	1705	0	15	24	15	29	22	31	25	42	27	45	31	54	35	4 @ 4
1-7	1716	0	30	6	37	10	37	15	37	20	40	25	40	30	38	
7-10	1719	0	35	6	30	12	30	22	10	26	20	40	15	65	10	6 @ 8
10-11	1722	0	15	15	5	20	20	70	20	75	16					3 @ 9 39 @ 4
11-1	1724	0	15	5	20	15	30	19	40	24	45					
1-10L	1726	0	40	4	40	10	30	45	15	55	20	60	35	71	10	
10-7	1730	0	10	31	5	35	15	50	15	60	30	65	35	75	35	6 @ 10 2 @ 9
7-1	1712	0	30	20	30	25	30	30	30	37	35	41	42	46	45	14 @ 4
1-10R	1745	0	47	5	43	9	35	34	15	46	25	51	20	60	15	17 @ 4
10-1	2025	0	5	25	8	30	11	35	15	45	42	50	30	59	35	
1-7	2030	0	45	10	40	15	35	17	35	20	35	24	36	28	34	
7-10	2043	0	26	7	26	14	24	15	20	26	14	30	10	55	8	
10-11	2045	0	2	15	8	20	14	65	5	70	11					28 @ 4
11-1	2052	0	5	10	2	24	24	27	30	34	34					6 @ 4
1-10L	2058	0	30	12	25	40	5	50	20	55	15	65	10			15 @ 4
10-7	2100	0	1	45	8	55	14	90	8	105	24	110	30	115	30	33 @ 9 63 @ 4
7-1	2104	0	31	5	30	10	26	20	16	29	24	35	30	39	36	
1-10R	2106	0	40	4	40	8	35	21	2	31	15	36	15	50	8	

Date: 12/20/74

Speed Delay Data

Leg	Time of Day	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Idle Time(Sec) & Location
10-1	2111	0	5	30	8	34	15	37	16	49	20	34	31	60	36	
1-7	2112	0	45	3	40	7	40	10	38	17	36	24	35	28	33	
7-10	2117	0	32	5	34	9	30	15	17	22	14	27	5	60	2	
10-11	2118	0	5	20	15	29	16	33	17							
11-1	2119	0	6	30	3	36	26	40	30	45	39					10 @ 4
1-10L	2122	0	35	10	33	13	30	30	5	40	14	45	19	60	9	
10-7	2125	0	5	5	10	10	11	17	14	75	11	80	26	90	29	39 @ 4
7-1	2130	0	29	5	30	8	28	19	12	27	31	30	39	35	40	
1-10R	2131	0	39	7	38	15	34	44	15	48	17	55	17	65	10	24 @ 4
10-1																
1-7																
7-10																
10-11																
11-1																
1-10L																
10-7																
7-1																
1-10R																

Date: 12/21/74

Speed Delay Data

Leg	Time of Day	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Idle Time (sec) & Location
10-1	0845	0	5	10	9	17	12	25	16	31	30	35	40	40	42	
1-7	0855	0	47	4	47	6	45	10	45	14	45	18	45	20	46	
7-10	0856	0	29	4	30	9	29	15	14	24	19	26	15	34	14	
10-11	0858	0	5	20	2	25	15	50	7	55	14					4 @ 8 17 @ 4
11-1	0859	0	5	7	11	17	25	21	30	25	35					
1-10L	0902	0	41	4	39	10	25	20	10	30	12	45	5	65	5	
10-7	0910	0	10	5	10	14	11	61	6	71	21	75	30	80	34	61 @ 4
7-1	0914	0	25	6	29	11	29	18	30	24	31	28	35	30	40	
1-10R	0920	0	40	4	40	10	30	15	20	25	17	30	16	36	10	
10-1	1020	0	10	14	10	16	15	24	19	32	24	35	29	40	36	
1-7	1023	0	40	5	36	10	30	30	20	32	25	35	30	40	28	
7-10	1030	0	27	4	28	10	26	15	15	25	15	30	10	50	5	
10-11	1032	0	6	15	10	20	14	40	7	45	13					
11-1	1034	0	6	9	2	24	25	28	30	30	34					14 @ 4
1-10L	1037	0	45	9	0	70	6	115	10	150	0	160	5	165	7	55 @ 5 18 @ 4
10-7	1040	0	11	9	5	14	11	60	4	70	20	80	25	86	25	27 @ 4
7-1	1045	0	20	10	30	14	25	20	24	25	26	30	31	35	34	
1-10R	1047	0	39	4	38	12	35	20	5	31	15	34	15	50	10	

Date: 12-21-74

Speed Delay Data

Leg	Time of Day	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Idle Time (Sec) & Location
10-1	1053	0	4	15	10	17	10	25	15	35	25	40	25	45	30	
1-7	1055	0	34	6	34	10	32	45	5	50	25	55	30	60	32	20 @ 4
7-10	1100	0	25	4	25	14	25	20	10	25	10	30	10	65	10	
10-11	1102	0	2	10	9	24	5	30	11	40	15					
11-1	1104	0	5	50	14	35	10	64	25	70	30					14 @ 4
1-10L	1107	0	30	40	3	90	4	135	5	165	10	195	7	205	10	40 @ 2 35 @ 3 42 @ 4 27 @ 8
10-7	1113	0	10	10	10	14	14	55	5	65	20	70	25	80	28	29 @ 4
7-1	1115	0	25	5	25	15	10	20	15	30	30	35	31	40	35	
1-10R	1120	0	25	6	25	14	20	35	10	50	15	60	5	75	5	8 @ 4
10-1	1154	0	10	10	10	20	20	27	20	35	35	40	45	45	50	
1-7	1156	0	40	5	40	10	40	15	40	20	42	24	45	27	43	
7-10	1159	0	37	4	37	14	7	110	5	115	17	125	13	150	12	75 @ 4
10-11	1225	0	5	20	5	27	22	34	25	40	17					4 @ 9
11-1	1227	0	14	40	11	47	37	54	46	55	50					36 @ 4
1-10L	1230	0	6	55	5	130	10	180	10	240	7	270	14	300	6	170 @ 1 through 4
10-7	1243	0	15	15	17	20	25	76	7	90	33	95	35	99	40	58 @ 4
7-1	1244	0	37	5	35	10	26	25	25	32	35	38	42	44	46	30 @ 4
1-10R	1246	0	37	4	34	10	29	20	11	38	25	45	11	55	17	

Date: 12-21-74

Speed Delay Data

Leg	Time of Day	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Idle Time (Sec) & Location
10-1	1549	0	2	26	16	29	23	35	25	50	25	55	41	59	49	4 @ 10
1-7	1551	0	45	5	45	10	44	15	45	18	44	23	37	27	32	
7-10	1554	0	40	4	40	10	32	30	2	35	20	40	5	95	13	11 @ 4 15 @ 9
10-11	1600	0	15	12	12	24	17	50	12	55	17					23 @ 4
11-1	1603	0	9	10	17	15	32	19	39	24	43					
1-10L	1607	0	40	5	36	10	30	20	20	26	26	31	8	40	12	
10-7	1615	0	12	24	10	30	13	60	15	64	32	67	35	75	37	68 @ 4
7-1	1619	0	37	5	30	12	23	40	23	50	37	55	32	60	40	55 @ 4
1-10R	1623	0	48	4	43	10	34	17	25	26	27	45	10	50	12	
10-1	1735	0	10	13	10	19	15	27	20	34	25	35	30	41	40	
1-7	1740	0	35	10	30	13	25	20	15	25	25	30	26	34	26	
7-10	1745	0	30	5	30	10	25	15	3	35	10	40	10	58	5	
10-11	1746	0	5	19	3	25	10	90	10	95	10					48 @ 4
11-1	1750	0	4	45	5	60	20	65	35	67	37					47 @ 4
1-10L	1800	0	30	5	30	11	25	17	25	25	5	50	15	75	5	10 @ 4
10-7	1802	0	11	10	10	15	10	60	7	75	20	80	25	85	30	31 @ 4
7-1	1805	0	26	5	26	10	25	55	6	62	30	65	35	70	40	32 @ 4
1-10R	1810	0	35	5	30	10	30	17	20	23	5	35	15	42	15	

Date: 12-22-74

Speed Delay Data

Leg	Time of Day	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Idle Time (Sec) & Location
10-1	1253	0	6	23	2	31	10	37	16	45	26	51	35	56	38	7 @ 9
1-7	1255	0	44	3	42	9	40	13	38	17	38	21	36	26	35	
7-10	1300	0	25	6	24	11	15	27	4	37	11	44	4	65	9	8 @ 4
10-11	1303	0	6	12	10	17	13	60	6	66	11					27 @ 4
11-1	1305	0	4	14	5	24	25	29	35	34	39					
1-10L	1310	0	36	6	35	11	26	35	11	44	14	57	3	73	7	13 @ 4
10-7	1313	0	6	18	3	27	10	61	9	76	21	78	25	84	33	10 @ 10 4 @ 9 20 @ 4
7-1	1317	0	30	5	31	11	24	60	9	69	30	72	26	78	40	38 @ 4
1-10R	1322	0	35	5	30	11	25	24	3	38	17	44	15	60	9	5 @ 4
10-1	1612	0	5	13	10	19	13	25	14	32	20	39	35	43	40	
1-7	1616	0	44	3	44	7	45	12	44	17	42	20	40	25	38	
7-10	1625	0	28	5	30	10	28	17	20	26	15	28	3	61	2	17 @ 9
10-11	1628	0	4	33	10	45	12	100	5	107	11					9 @ 9 54 @ 4
11-1	1631	0	3	12	6	24	28	28	34	31	40					
1-10L	1634	0	36	5	35	10	28	34	3	45	14	53	9	96	7	16 @ 4 22 @ 9
10-7	1639	0	5	14	9	19	14	64	9	74	20	80	25	85	30	
7-1	1643	0	30	4	29	12	20	45	15	54	30	58	40	62	45	28 @ 4
1-10R	1655	0	35	4	35	8	30	32	4	44	15	51	14	85	5	14 @ 4 14 @ 10

Date: 12-22-74

Speed Delay Data

Leg	Time of Day	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Time (sec)	Speed (mph)	Idle Time (Sec) & Location
10-1	1800	0	6	17	11	23	20	27	25	34	30	40	40	63	45	
1-7	1805	0	46	3	45	7	45	12	45	16	44	19	45	21	45	
7-10	1806	0	25	6	29	10	26	16	20	24	20	29	15	35	17	
10-11	1810	0	6	14	14	21	15	43	9	49	9					14 @ 4
11-1	1813	0	9	23	7	32	27	36	36	40	41					12 @ 4
1-10L	1816	0	45	4	40	8	35	24	2	33	19	38	15	57	5	8 @ 4
10-7	1820	0	8	30	7	34	15	86	6	97	25	101	30	104	34	8 @ 9 9 @ 4
7-1	1824	0	29	6	25	13	24	46	15	53	30	59	35	107	40	17 @ 4
1-10R	1826	0	43	4	41	9	34	31	11	41	6	46	20	59	5	9 @ 4
10-1																
1-7																
7-10																
10-11																
11-1																
1-10L																
10-7																
7-1																
1-10R																

4. Queue Lengths

Queue Length

Date: 12/18/74

		U.S. 150 Southbound Lanes			Scenic Eastbound Lanes	
Hour	# of Samples	P	N	M	Q	R
0900	19	4	1	1	0	1
1000	12	3	1	0	1	1
1100	13	3	2	1	1	1
1200	14	2	2	1	2	1
1300	15	5	3	1	3	1
1400	17	4	2	1	4	1
1500	15	3	2	0	2	1
1600	16	6	2	1	3	1
1700	13	7	4	1	4	1
1800	17	4	2	0	2	1
1900	10	3	4	2	2	1
2000	16	2	1	1	4	0

Date: 12/20/74

0900	16	6	3	1	0	2
1100	16	3	2	1	1	1
1200	20	4	2	1	2	1
1300	5	6	3	1	3	1
1400	20	2	1	1	2	1
1500	15	6	2	0	3	1
1600	11	7	3	0	2	1
1700	13	6	3	1	3	1
1800	16	3	2	1	3	1
1900	12	3	3	1	3	1
2000	16	2	1	0	1	0

Queue Length

Date: 12/20/74

		U.S. 150 Southbound Lanes			Scenic Eastbound Lanes	
Hour	# of Samples	P	N	M	Q	R
2100	14	3	2	1	3	0
2200	14	2	1	0	2	0
2300	12	2	1	0	4	1

Date: 12/21/74

1000	2	1	1	1	1	1
1100	2	1	1	1	2	1
1200	5	4	0	0	3	1
1300	5	2	1	1	4	1
1400	3	4	1	1	3	1
1500	6	6	1	1	4	1
1600	4	3	0	0	4	1
1700	4	2	1	1	3	0
1800	4	3	0	0	4	0
1900	13	8	3	0	4	1
2000	14	3	1	1	4	0
2100	12	2	1	0	3	1

Date: 12/22/74

1300	17	4	2	0	4	1
1400	13	5	3	1	4	1
1500	13	4	3	0	5	1
1000	12	5	2	0	6	1
1700	13	5	3	1	4	1
1800	13	3	2	0	3	1
1900	16	2	2	0	1	0

Queue Length

Date: 12/18/74

		U.S. 150 Northbound Lanes				
Hour	# of Samples	C	D	E	F	G
1000	12	1	1	1	1	1
1100	14	3	1	1	1	0
1300	11	4	1	1	1	1
1400	8	4	1	1	1	1
1600	13	4	1	1	2	1
1700	15	4	1	3	3	1
1800	15	4	1	1	2	1
2000	15	6	1	1	1	1

Date: 12/20/74

0900	11	3	1	1	3	1
1000	12	3	1	1	2	1
1100	11	5	1	2	2	4
1200	12	7	2	1	2	1
1300	19	8	1	1	1	1
1500	17	4	1	1	2	0
1600	16	9	3	3	6	1
1900	15	12	2	1	2	1
2000	15	7	1	1	2	0
2100	14	13	1	1	1	1

Date: 12/21/74

1000	13	9	2	1	2	0
1100	10	19	4	2	2	2
1200	5	20	3	2	3	1
1300	9	30	5	2	5	1

5. Vehicle Mix

U.S. 150 Northbound - Lanes E, F, G
Scenic Drive Westbound - Lanes H, I
U.S. 150 Southbound - Lanes N, P
Scenic Drive Eastbound - Lanes Q, R

Queue Length

Date: 12/21/74

Hour	# of Samples	U.S. 150 Northbound Lanes				
		C	D	E	F	G
1400	7	46	6	3	2	1
1600	12	18	3	2	5	0
1700	11	7	1	1	3	0
1900	15	5	1	1	1	1
2000	9	16	1	1	3	1
2100	9	9	1	1	3	1
2200	10	2	1	0	2	0

Date: 12/22/74

1300	16	8	1	1	1	1
1400	12	9	2	1	2	1
1500	13	14	2	1	1	1
1600	12	15	3	1	2	0
1700	9	9	2	1	2	0
1800	16	3	1	1	1	2
1900	15	3	1	1	1	1

Vehicle Mix
U.S. 150 Northbound
Scenic Drive Westbound

Date: 12/18/74

Hour	Cars*		Small Trucks		Light Trucks		Int. Trucks		Diesels		Total	Leg
	#	%	#	%	#	%	#	%	#	%		
0900	52	98.1			1	1.9					53	Scenic
0900	90	89.1			3	2.9	7	6.9	1	0.99	101	150 NB
1000	119	97.5			1	0.82	2	1.64			122	Scenic
1000	14	87.5					2	12.5			16	150 NB
1100	114	48.3			1	0.85	1	0.85			116	Scenic
1100	79	97.5			1	1.2			1	1.2	81	150 NB
1200	137	99.3							1	0.7	138	Scenic
1200	126	94.7			2	1.5	2	1.5	3	2.3	133	150 NB
1300	169	97.7					4	2.3			173	Scenic
1300	41	97.6			1	2.4					42	150 NB
1400	104	98.1							2	1.9	106	Scenic
1400	71	98.6							1	1.4	72	150 NB
1600	113	98.3			2	1.7					115	150 NB
1600	110	99.1			1	0.9					111	Scenic
1700	223	100									223	150 NB
1700	152	100									152	Scenic
1800	125	96.9							4	3.1	129	150 NB
1800	138	99.3							1	0.7	139	Scenic
2000	82	100									82	150 NB
2000	86	98.9							1	1.1	87	Scenic

*Cars include light trucks for this day only.

Vehicle Mix
U.S. 150 Northbound
Scenic Drive Westbound

Date: 12/20/74

Hour	Cars		Small Trucks		Light Trucks		Int. Trucks		Diesels		Total	Leg
	#	%	#	%	#	%	#	%	#	%		
0800	40	71	13	23	3	5	0		0		56	150 NB
0800	21	75	5	18	0		1	3.5	1	3.5	28	Scenic
0900	55	78.6	8	11.4	5	7	0		2	3	70	150 NB
0900	16	84.2	3	15.8	0		0		0		19	Scenic
1000	95	87	9	8.2	3	2.7	2	1.8	0		109	150 NB
1000	14	87.5	1	6.25	0		1	6.25	0		16	Scenic
1100	132	89.8	10	6.8	1	0.7	1	0.7	3	2	147	150 NB
1100	18	81.8	3	13.6	0		1	4.5	0		22	Scenic
1200	81	89	6	6.6	0		3	3.3	1	1.1	91	150 NB
1200	18	90	2	10	0		0		0		20	Scenic
1300	59	84.3	8	11.4	0		3	4.3	0		70	150 NB
1300	88	88	8	8	2	2	2	2	0		100	Scenic
1400	307	89.8	24	7	9	2.6	1	0.3	1	0.3	342	150 NB
1400	13	81.3	3	18.7	0		0		0		16	Scenic
1500	No Data											150 NB
1500	25	92.6	1	3.7	1	3.7	0		0		27	Scenic
1800	108	85.7	17	13.5	1	0.8	0		0		126	150 NB
1900	35	972	1	2.8	0		0		0		36	Scenic
1900	85	87.6	11	11.3	0		0		1	1	97	150 NB

Vehicle Mix
U.S. 150 Northbound
Scenic Drive Westbound

Date: 12/21/74

Hour	Cars		Small Trucks		Light Trucks		Int. Trucks		Diesels		Total	Leg
	#	%	#	%	#	%	#	%	#	%		
1100	81	83.5	15	15.4	0		0		1	1.1	97	150 NB
1200	98	88.3	12	10.8	1	0.9	0		0		111	Scenic
1200	128	93.4	8	5.8	0		0		1	0.7	137	150 NB
1400	41	97.6	1	2.4	0		0		0		42	Scenic
1400	128	92.1	11	7.9	0		0		0		139	150 NB
1500	15	93.75	1	6.25	0		0		0		16	Scenic
1500	84	88.4	11	11.6	0		0		0		95	150 NB
1600	87	90.6	8	8.3	1	1.04	0		0		96	150 NB
1600	29	85.3	4	11.8	1	3	0		0		34	Scenic
1700	78	87.6	9	10.1	2	2.2	0		0		89	150 NB
1700	59	86.8	6	8.8	2	3	0		1	1.4	68	Scenic
1800	17	70.8	7	29.2	0		0		0		24	150 NB
2000	57	86.4	8	12.1	1	1.5	0		0		66	Scenic
2000	72	97.3	2	2.7	0		0		0		74	150 NB
2100	5	100	0		0		0		0		5	Scenic

Vehicle Mix
U.S. 150 Northbound
Scenic Drive Westbound

Date: 12/22/74

Hour	Cars		Small Trucks		Light Trucks		Int. Trucks		Diesels		Total	Leg
	#	%	#	%	#	%	#	%	#	%		
1200	11	100	0		0		0		0		11	Scenic
1200	99	94.3	6	5.7	0		0		0		105	150 NB
1300	22	100	0		0		0		0		22	Scenic
1300	60	92.3	4	6.1	0		1	1.5	0		65	150 NB
1400	20	95.2	1	4.8	0		0		0		21	Scenic
1400	109	95.6	5	4.4	0		0		0		114	150 NB
1500	16	84.2	2	10.5	0		1	5.2	0		19	Scenic
1500	97	89.8	11	10.2	0		0		0		108	150 NB
1600	9	100	0		0		0		0		9	Scenic
1600	65	92.8	4	5.7	1	1.4	0		0		70	150 NB
1700	14	87.5	2	12.5	0		0		0		16	Scenic
1700	67	87	8	10.4	2	2.6	0		0		77	150 NB

Vehicle Mix
U.S. 150 Southbound
Scenic Drive Eastbound

Date: 12/20/74

Hour	Cars		Small Trucks		Light Trucks		Int. Trucks		Diesels		Total	Leg
	#	%	#	%	#	%	#	%	#	%		
0800	26	89.7	3	10.2	0		0		0		29	Scenic EB
0800	33	75	2	4.5	4	9.1	2	4.5	3	6.8	44	150 SB
0900	79	84	10	10.6	2	2.1	3	3.2	0		94	Scenic EB
0900	95	89.6	4	3.8	0		3	2.8	4	3.8	106	150 SB
1000	81	91	6	6.7	0		2	2.3	0		89	Scenic EB
1000	80	86.9	10	10.9	0		2	2.2	0		92	150 SB
1100	83	84.7	12	12.2	0		2	2.04	1	1.02	98	Scenic
1100	86	82.7	14	13.5	1	0.96	3	2.9	0		104	150 SB
1200	81	94.2	5	5.8	0		0		0		86	Scenic
1200	133	88.7	13	8.7	0		3	2	1	0.67	150	150 NB
1300	105	91.3	8	7	1	0.9	0		1	0.9	115	Scenic
1300	90	87.4	10	9.7	1	0.97	2	1.94	0		103	150 SB
1400	75	94.9	3	3.8	0		0		1	1.3	79	Scenic
1400	83	83	10	10	3	3	3	3	1	1	100	150 SB
1500	100	87.7	12	10.5	2	1.8	0		0		114	Scenic
1500	127	87.6	15	10.3	3	2.1	0		0		145	150 SB
1700	125	93.9	7	5.3	1	0.8	0		0		133	Scenic
1700	99	90	9	8.2	0		1	0.9	1	0.9	110	150 SB
1800	156	91.2	7	4.1	6	3.5	1	0.6	1	0.6	171	Scenic
1900	146	97.3	4	2.7	0		0		0		150	150 SB
1900	96	96.9	3	3.1	0		0		0		99	Scenic
2000	75	93.9	5	6.3	0		0		0		80	150 SB
2000	136	95.8	5	3.5	0		0		0		142	Scenic
2100	49	92.5	4	7.5	0		0		0		53	150 SB

Vehicle Mix
U.S. 150 Southbound
Scenic Drive Eastbound

Date: 12/20/74 (Cont.)

Hour	Cars		Small Trucks		Light Trucks		Int. Trucks		Diesels		Total	Leg
	#	%	#	%	#	%	#	%	#	%		
2100	177	94.1	11	5.9	0		0		0		188	Scenic

Date: 12/21/74

0800	16	88.9	2	11.1	0		0		0		18	Scenic
0800	76	93.8	2	2.5	0		2	2.5	1	1.2	81	150 SB
0900	55	93.2	4	6.8	0		0		0		59	Scenic
0900	115	92.7	8	6.5	1	0.8	0		0		124	150 SB
1000	88	86.3	12	11.8	1	0.98	1	0.98	0		102	Scenic
1000	100	89.3	12	10.7	0		0		0		112	150 SB
1100	139	92.7	11	7.3	0		0		0		150	Scenic
1100	116	89.9	10	7.8	1	0.77	1	0.77	1	0.77	129	150 SB
1200	123	92.5	10	7.5	0		0		0		133	Scenic
1200	103	94.5	6	5.5	0		0		0		109	150 SB
1300	115	91.3	11	8.7	0		0		0		126	Scenic
1300	134	90.5	13	8.8	1	0.7	0		0		148	150 SB
1400	141	89.2	17	10.8	0		0		0		158	Scenic
1400	115	93.5	7	5.7	1	0.8	0		0		123	150 SB
1500	145	92.4	12	7.6	0		0		0		157	Scenic
1500	106	91.4	10	8.6	0		0		0		116	150 SB
1600	166	93.8	10	5.6	0		0		1	0.6	177	Scenic
1600	97	92.4	7	6.7	0		1	0.95	0		105	150 SB
1700	152	94.4	7	4.3	0		1	0.6	1	0.6	161	Scenic
1700	74	91.4	7	8.6	0		0		0		81	150 SB
1800	55	91.7	5	8.3	0		0		0		60	Scenic
1800	78	91.8	6	7	1	1.2	0		0		85	150 SB

6. Signal Timing Data

Vehicle Mix
U.S. 150 Southbound
Scenic Drive Eastbound

Date: 12/21/74 (Cont.)

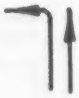
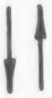
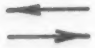
Hour	Cars		Small Trucks		Light Trucks		Int. Trucks		Diesels		Total	Leg
	#	%	#	%	#	%	#	%	#	%		
2000	132	91	13	9	0		0		0		145	Scenic
2000	91	96.8	2	2.1	0		0		1	1.1	94	150 SB
2100	159	91.4	15	8.6	0		0		0		174	Scenic EB
2100	58	96.7	1	1.7	0		1	1.7	0		60	150 SB

Date: 12/22/74

1100	100	90.1	11	9.9	0		0		0		111	Scenic
1100	83	97.7	2	2.3	0		0		0		85	150 SB
1200	121	92.4	10	7.6	0		0		0		131	Scenic
1200	92	93.9	5	5.1	1	1.0	0		0		98	150 SB
1300	150	94.3	9	5.7	0		0		0		159	Scenic
1300	101	87.8	14	12.2	0		0		0		115	150 SB
1400	179	94.2	11	5.8	0		0		0		190	Scenic
1400	102	91.9	7	6.3	2	1.8	0		0		111	150 SB
1500	178	94.7	10	5.3	0		0		0		188	Scenic
1500	113	91.9	8	6.5	2	1.6	0		0		123	150 SB
1600	172	95	9	5	0		0		0		181	Scenic
1600	84	91.3	8	8.7	0		0		0		92	150 SB
1700	169	95.5	7	3.9	0		0		1	0.6	177	Scenic
1700	75	93.8	5	6.2	0		0		0		80	150 SB
1800	188	98.4	3	1.6	0		0		0		191	Scenic
1800	91	91	9	9	0		0		0		100	150 SB

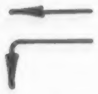
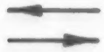
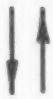
December
1974

Scenic & War Memorial
Three Phase Full Actuated Controller

	 War Mem. N.B. I	 War Mem. N.B. & S.B. II	 Scenic E. & W.B. III
Minimum Green	7 sec.	7 sec.	7 sec.
Maximum Initial	12	15	10
Actuations for Max. Init.	20	15	10
Passage Time	8	6	2
Maximum	40	25	20
Time Waiting	20	20	20
Minimum Lull	2	3	3
Yellow Clearance	3	3	3
All Red Clearance	1	2	2

December
1974

Northwoods Entrance & Scenic
Three Phase Full Actuated Controller

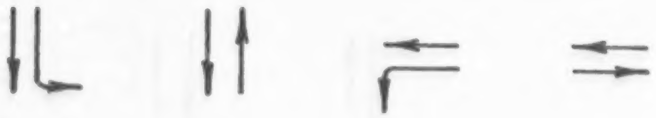
			
	War Mem. W.B.	Scenic E & W.B.	Northwoods N. & S.B.
	I	II	III
Minimum Green	7	7	7
Maximum Initial	10	10	5
Actuations for Max. Init.	20	10	15
Passage Time	2	6	7
Maximum	40	10	10
Time Watching	20	15	15
Minimum Lull	3	3	3
Yellow Clearance	3	3	3
All Red Clearance	1	2	2

Phase I set on minimum recall

December
1974

Scenic & Sterling

Four Phase Full Actuated Controller

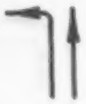
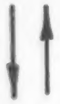
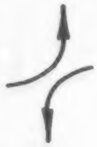
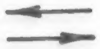


	Ster. S. B. I	Ster. N & S. B. II	Scenic W. B. III	Scenic E & W. B. IV
Minimum Green	7 sec.	7 sec.	7 sec.	7 sec.
Maximum Initial	5	15	10	15
Actuations for Max. Init.	6	15	7	15
Passage Time	2	4	4	5
Maximum	18	30	20	20
Time Waiting	18	20	20	20
Minimum Lull	1	1	1	1
Yellow Clearance	4	4	4	4
All Red Clearance	2	2	2	2

December
1974

Lake & Sterling

Four Phase Full Actuated Controller

				
	Ster. N.B.	Ster. N. & S.B.	Lake	Lake E & W.B.
	I	II	III	IV
Minimum Green	7 sec.	7 sec.	7 sec.	7 sec.
Maximum Initial	6	25	5	10
Actuations for Max. Init.	5	25	10	10
Passage Time	4	4	4	4
Maximum	10	50	20	10
Time Waiting	20	20	20	10
Minimum Lull	1	1	1	1
Yellow Clearance	4	4	4	4
All Red Clearance	2	2	2	2

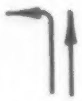
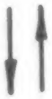
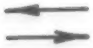
Glen, Sterling & War Memorial

Two Oil Fixed Time Combination Master Secondary Controller

	60 sec.	70 sec. (4:30p-6p)
War Memorial Green	35%	42%
Yellow Clearance	4%	4%
All Red Clearance	2%	2%
Glen Sterling (Oval left turn)	18%	12%
Yellow Clearance	5%	5%
Glen Sterling Green	30%	29%
Yellow Clearance	4%	4%
All Red Clearance	2%	2%
Master Reference Point	R_1 = 75%	R_1 = 75%

February
1975

Scenic & War Memorial
Three Phase Full Actuated Controller
Coordinated with Adjacent Intersections

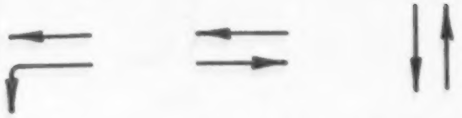
	 War Mem. N.B. I	 War Mem. N & S.B. II	 Scenic E & W.B. III
Minimum Green	7 sec.	7 sec.	7 sec.
Maximum Initial	7	15	7
Actuations for Max. Init.	5	12	5
Passage Time	3	5	3
Maximum	40	40	25
Time Waiting	20	20	20
Minimum Lull	2	2	2
Yellow Clearance	3	3	3
All Red Clearance	1	1	1

Master Reference Point at R_1 = 75%

60 sec.		70 sec. (4:30p-6p)	
12%	II Prevent	15%	II Prevent
35%	II Maximum	38%	II Maximum
49%	III Prevent	52%	III Prevent
61%	III Maximum	62%	II Maximum
82%	I Prevent	84%	I Prevent
94%	I Maximum	94%	I Maximum
Reset R_1 = 25%		Reset R_1 = 25%	

February
1975

Northwoods Entrance & Scenic
Three Phase Full Actuated Controller
Coordinated with Adjacent Intersections



	Scenic W.B. I	Scenic E & W.B. II	Northwoods N. & S.B. III
Minimum Green	7	7	7
Maximum Initial	7	15	7
Actuations for Max. Init.	5	10	5
Passage Time	3	5	3
Maximum	40	20	20
Time Waiting	20	15	15
Minimum Lull	1	2	1
Yellow Clearance	3	3	3
All Red Clearance	1	1	1

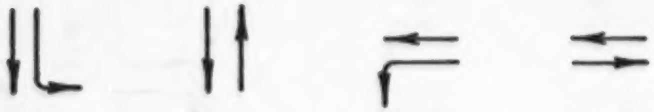
Phase I Set on Minimum Recall.

Master Reference Point at $R_1 = 75\%$

60 sec.		70 sec. (4:30p-6p)	
5%	II Prevent	5%	II Prevent
20%	II Maximum	20%	II Maximum
37%	III Prevent	37%	III Prevent
47%	III Maximum	47%	III Maximum
80%	I Prevent	80%	I Prevent
93%	I Maximum	93%	I Maximum
Reset $R_1 = 39\%$		Reset $R_1 = 39\%$	

February
1975

Scenic & Sterling
Four Phase Full Actuated Controller
Coordinated with Adjacent Intersections



	Ster. S.B. I	Ster. N. & S.B. II	Scenic W.B. III	Scenic E & W.B. IV
Minimum Green	7 sec.	7 sec.	7 sec.	7 sec.
Maximum Initial	7	15	5	10
Actuations for Max. Init.	5	15	5	15
Passage Time	3	4	3	4
Maximum	20	30	20	20
Time Waiting	5	20	10	10
Minimum Lull	1	2	1	2
Yellow Clearance	3	3	3	3
All Red Clearance	1	1	1	1

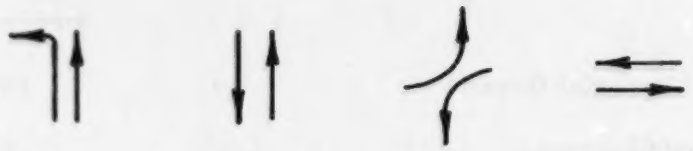
Master Reference Point at R_1 = 75%

60 sec.		70 sec. (4:30p-6p)	
10%	II Prevent	13%	II Prevent
30%	II Maximum	30%	II Maximum
38%	III Prevent	37%	III Prevent
50%	III Maximum	50%	III Maximum
58%	IV Prevent	60%	IV Prevent
74%	IV Maximum	74%	IV Maximum
84%	I Prevent	85%	I Prevent
94%	I Maximum	94%	I Maximum
Reser R_1 = 88%		Reset R_1 = 90%	

February
1975

Lake & Sterling

Four Phase Full Actuated Controller
Coordinated with Adjacent Intersections



	Ster. N.B. I	Ster. N. & S.B. II	Lake III	Lake E & W.B. IV
Maximum Green	7 sec.	7 sec.	7 sec.	7 sec.
Maximum Initial	7	20	7	10
Actuations for Max. Init.	5	15	5	10
Passage Time	2	5	2	4
Maximum	20	50	20	20
Time Waiting	10	20	15	10
Minimum Lull	1	2	1	2
Yellow Clearance	3	3	3	3
All Red Clearance	1	1	1	1

Master Reference Point at R_1 = 75%

60 sec.		70 sec. (4:30p-6p)	
10%	II Prevent	13%	II Prevent
30%	II Maximum	30%	II Maximum
38%	III Prevent	40%	III Prevent
50%	II Maximum	50%	III Maximum
58%	IV Prevent	60%	IV Prevent
74%	IV Maximum	74%	IV Maximum
84%	I Prevent	85%	I Prevent
94%	I Maximum	94%	I Maximum
Reset R_1 = 38%		Reset R_1 = 38%	

Glen, Sterling & War Memorial

Two Oil Fixed Time Combination Master Secondary Controller

	60 sec.	70 sec. (4:30p-6p)
War Memorial Green	35%	42%
Yellow Clearance	4%	4%
All Red Clearance	2%	2%
Glen Sterling (Oval left turn)	18%	12%
Yellow Clearance	5%	5%
Glen Sterling Green	30%	29%
Yellow Clearance	4%	4%
All Red Clearance	2%	2%